

Capital Programs Institute

Provider Number: I005

2017 Accessibility Training

Course Number: CLA-AT-0917

Susan Moe, CASp

Senior Architect

Division of State Architect – Sacramento

ICC Accessibility Inspector/Plans Examiner

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Learning Objectives

- Summarize the differences between the Americans with Disabilities Act and the California Building Code.
- Summarize the significant amendments to the 2016 California Building Code.
- Understand how to analyze and apply the 2016 California Building Code provisions during the plan review process.
- Understand Practice Standards for Certified Access Specialists.
- Understand how to analyze and apply the 2016 California Building Code provisions for Housing at a Place of Education.
- Find UC Office of the President - Facilities Manual References to ADA + CBC.



**University of
California –
Access
Compliance
Training**



Facilities Manual References

Facilities Manual Volume 3, Chapter 4

4.1 CODE COMPLIANCE

4.1.3 State Agencies with Plan Approval Authority

Three state agencies have plan approval authority for code compliance for University projects. Construction documents and supporting data are submitted to these code enforcement agencies for final approval. . . . Agency reviews result in document approvals and the necessary permits for funding release (state-funded projects), bidding, and construction. Each Facility is responsible for meeting the code requirements of these agencies and to obtain the necessary project approvals from these enforcing agencies. The three agencies that perform plan review for University projects are:

Division of the State Architect, Access Compliance

Office of the State Fire Marshal

Office of Statewide Health Planning and Development

Division of the State Architect, Access Compliance ***Each Campus is responsible for compliance with ADA requirements - DSA does not review for ADA.***

ADA vs CBC

What are the differences?

Titles of the ADA

Title I - Employment

Provides ***REASONABLE ACCOMMODATION FOR EMPLOYEES***

Title II – Public Services

Requires ***ACCESS TO PROGRAMS AND SERVICES PROVIDED BY STATE AND LOCAL GOVERNMENT***

Title III – Public Accommodations

Requires ***ACCESS TO GOODS AND SERVICES IN PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES***

Titles of the ADA

Title IV - Telecommunications

Provides for *TELECOMMUNICATIONS RELAY SERVICES*

Title V – Miscellaneous

Provides for *PROHIBITION AGAINST RETALIATION AND COERCION*

Title I of the ADA

Civil Rights Law Title I Employment

- Protects against discrimination in all employment practices, including: job application procedures, hiring, firing, training, pay, promotion, benefits, and leave.
- Protects against harassment because of a disability, and an employer may not fire or discipline a person for asserting their rights under the ADA.
- Most importantly, there is a right to request a reasonable accommodation for the hiring process and on the job.

ADA

vs.

CBC

Civil Rights Law Title II Public Entities

- CFR requires access to programs, services and activities when viewed in their entirety
- Requires self-evaluation and transition plan to provide program access
- Standards require access to new construction, and *path-of-travel* in alterations to **primary function**
- Standards based on use
- Enforced through civil litigation

Building Standards CCR Title 24 Part 2

- Barrier removal not required and no retroactive provisions for existing facilities
- Chapter 11B requires compliance to the standards for new construction, alterations, and *path-of-travel* to **area of alteration**
- Chapter 11B based on use, not occupancy
- Enforced by authority having jurisdiction
- A public entity may be its own jurisdictional entity and therefore, may provide self-enforcement to the building code

ADA

vs.

CBC

Civil Rights Law Title III Private Entities

- CFR requires access to goods and services
- CFR requires “readily achievable barrier removal” for facilities built before adoption of the guidelines
- Standards apply to facilities for new construction, and *path-of-travel* in alterations to **primary function**
- Standards based on use
- Some facilities exempted from compliance (Religious Facilities, Private Clubs)
- Enforced through civil litigation

Building Standards CCR Title 24 Part 2

- Barrier removal not required and no retroactive provisions for existing facilities
- Chapter 11B requires compliance to the standards for new construction, alterations, and *path-of-travel* to the **area of alteration**
- Chapter 11B based on use, not occupancy
- Regulates facilities that are exempted from ADA compliance (Religious Facilities, Private Clubs)
- Enforced by authority having jurisdiction

ADA

vs.

CBC

2010 ADA Standards

The 1991 Standards and the 2010 Standards apply to **fixed or built-in elements** of buildings, structures, site improvements, and pedestrian routes or vehicular ways located on a **site**.

Building Standards CCR Title 24 Part 2

The provisions Chapter 11B apply to work done **on-site**, at sidewalks, and at curb ramps and any **appurtenances connected or attached** to such buildings.....

Obligation Under the ADA

Accessible Equipment and Furniture



Goal of the US Department of Justice

Equipment and furniture used in programs and services, provided by State and local government entities and private entities that are considered to be places of public accommodation, are accessible to individuals with disabilities

Significant Amendments to Chapter 11B in the 2016 California Building Code

Facilities Manual References

Facilities Manual Volume 3, Chapter 4

4.1 CODE COMPLIANCE

4.1.3 State Agencies with Plan Approval Authority

Division of the State Architect, Access Compliance

When using Title 24, Chapter 11B, Section ~~1134B-202~~ **202**, *Accessibility for Existing Buildings*, to determine if a renovation project has a "valuation threshold" that triggers the disabled access "path of travel" requirements for existing buildings, use the sum of the costs listed on lines 0, 1, 2 and 4 in the Capital Improvement Budget (CIB) as the

"Total Construction Cost."

The concept of "disproportionate cost," or the "20% rule," only applies to existing buildings. ***Improvements may not be split in to various projects to circumvent this threshold in a single year or over the preceding three years. The threshold shall be established based on the total cost of alteration to the area on the path of travel during the preceding three-year period (CBC 11B Section 202.4.8).***

Barrier Removal Projects

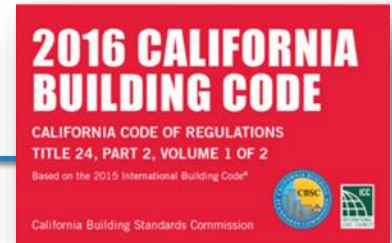


11B-202.4 Path of travel requirements in alterations, additions and structural repairs

Exception 4.

- List of barrier removal items in Exception 4 is not all inclusive, other items not specifically listed may qualify for the exception.
- Added “including ***but not limited to...***”

Path of Travel



11B-202.4 Path of travel requirements in alterations, additions and structural repairs

Exception 8.

- Addition of the words ***“as defined”*** after the term “adjusted construction cost to ensure code users are made aware of the related definition.

Path of Travel



Adjusted Construction Cost – shall include all costs directly related to the construction of a project:

- Labor
- Material
- Equipment
- Services
- Utilities
- Contractor Overhead, financing and profit
- Construction management costs

Costs shall not be reduced by value of components not directly associated with access or usability

Path of Travel

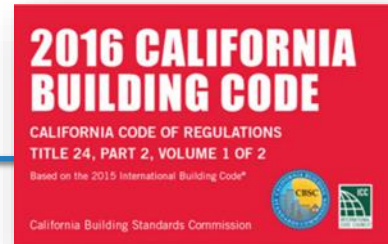


Adjusted Construction Cost – shall not include:

- Project management fees and expenses
- Architectural and engineering fees
- Testing and inspection fees
- Utility connection
- Service district fees

In addition, the adjusted cost of alterations, structural repairs or additions shall not include the cost of alterations to path of travel elements required to comply with Section 11B-202.4.

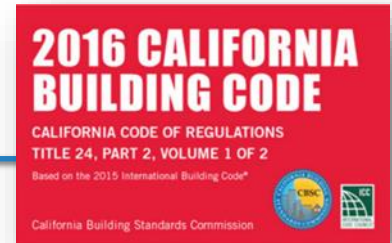
Path of Travel



Example for determining the cost of compliance:

Adjusted Construction Cost	\$ 145,000.00
Maximum Cost of Compliance	$\$ 145,000.00 \times 0.20 = \$ 29,000.00$
Project Construction Cost	$\$ 145,000.00 + \$ 29,000.00 = \$ 174,000.00$
Adjusted Construction Cost	\$ 145,000.00 remains under the valuation threshold

Path of Travel



When *adjusted construction cost* > valuation threshold:

- Cost of full compliance for required POT elements is unlimited, or if
- Enforcing authority makes a finding, on a case-by-case basis, that full compliance would be an **“Unreasonable Hardship”**, then
- Cost of partial compliance shall not be less than 20% of the adjusted construction cost.

11B-202.4 Exception 8

Path of Travel

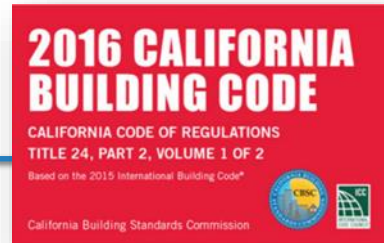


List of Priorities

- 1. An accessible entrance;*
- 2. An accessible route to the altered area;*
- 3. At least one accessible restroom for each sex or one accessible unisex (single-user or family) restroom;*
- 4. Accessible telephones;*
- 5. Accessible drinking fountains; and*
- 6. When possible, additional accessible elements such as parking, signs, storage and alarms.*

11B-202.4 Exception 8

Electric Vehicle Charging Stations



Executive Order B-16-2012

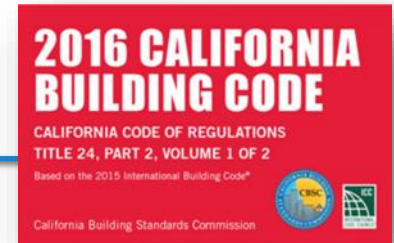
By 2015, California's major metropolitan areas will be able to accommodate ZEVs through planned infrastructure.

By 2020, California's ZEV infrastructure will be able to support up to 1 million vehicles.

By 2025, 1.5 million ZEVs will be on California's roadways with easy access to infrastructure.



Electric Vehicle Charging Stations



Chapter 2, Section 202 Definitions.

- Drive Up Electric Vehicle Charging Station
- Electric Vehicle (EV)
- Electric Vehicle (EV) Charger
- Electric Vehicle Charging Space (EV Space)
- Electric Vehicle Charging Station (EVCS)
- Electric Vehicle Connector (EV Connector)

Electric Vehicle Charging Stations

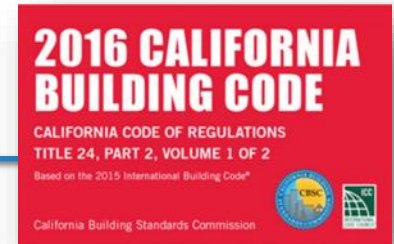


Scoping sections provide for type and number required.

Section 11B-228.3 Electric Vehicle Charging Stations

- Section 11B-228.3.1.1 requires that when EVCS are installed accessible EVCS complying with Table 11B-228.3.1 shall be provided.
- Section 11B-208.1 clarifies that EVCS are not parking spaces

Electric Vehicle Charging Stations



Two exceptions for providing accessible EVCS.

- EVCSs not available to general public (example: EVCS for public and private fleet vehicles) and intended for use by a designated vehicle or driver (example: EVCS assigned to an employee)
- In public housing facilities, EVCS for use by an EV owner or operator at their residence

However, a request for “reasonable accommodation” based on the ADA may apply.

Electric Vehicle Charging Stations

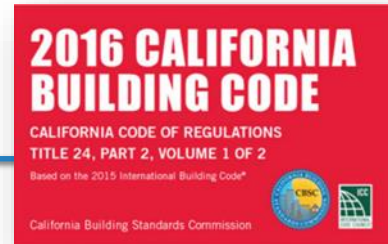
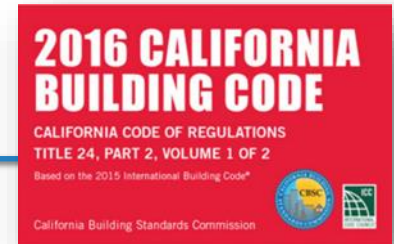


Table 11B-228.3.2.1

Total Number of EVCS at a Facility ¹	Minimum Number (by type) of EVCS Required to Comply with Section 11B-812 ¹		
	Van Accessible	Standard Accessible	Ambulatory
1 to 4	1	0	0
5 to 25	1	1	0
26 to 50	1	1	1
51 to 75	1	2	2
76 to 100	1	3	3
101 and over	1, plus 1 for each 300, or fraction thereof, over 100	3, plus 1 for each 60, or fraction thereof, over 100	3, plus 1 for each 50, or fraction thereof, over 100

NOTES: 1. WHERE AN EV CHARGER CAN SIMULTANEOUSLY CHARGE MORE THAN ONE VEHICLE, THE NUMBER OF EVCS PROVIDED SHALL BE CONSIDERED EQUIVALENT TO THE NUMBER OF ELECTRIC VEHICLES THAT CAN BE SIMULTANEOUSLY CHARGED.

Electric Vehicle Charging Stations



New Construction or Alterations:

- When new EVCS are added to more than one facility on a site with existing EVCS, total of new + existing used for scoping
- Technical provisions apply only to new EVCS; no requirement to retrofit existing EVCS unless they are altered
- Operable parts on all accessible new EVCS must comply with operable parts provisions in 11B-309.4

Electric Vehicle Charging Stations



EV Charger requirements:

Operable parts and charging cord storage shall comply with requirements for:

- Clear floor space at EV charger.
- Reach range requirements.

Point-of-sale devices must comply with the required accessibility features.

Electric Vehicle Charging Stations

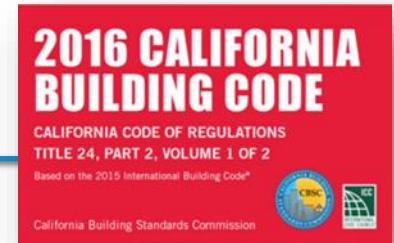


11B-309 Operable parts

Exception to 5 lb. maximum operating force requirement for electric vehicle connectors, similar to exception for gasoline filler nozzles.



Electric Vehicle Charging Stations



EV Charger location requirements:

- Adjacent to, and within the projected width, of the EV space it serves (if EV charger has one EV connector).
- Within the combined projected width of the EV spaces it serves (if EV charger has multiple EV connectors).
- Where EV space is parallel to vehicular way, EV charger shall be adjacent to, and 48 “ maximum from the head or foot end of the EV space it serves.

Electric Vehicle Charging Stations



Scoping Provisions - Types

- Van accessible
- Standard accessible
- Ambulatory
- Drive-up



Electric Vehicle Charging Stations



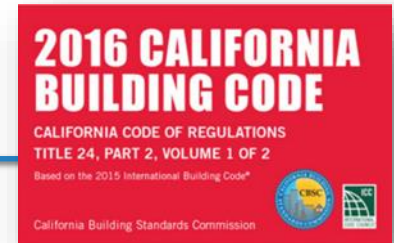
Technical sections provide for the location and how accessibility is achieved

Van Accessible EV Space

- 12 feet minimum width.
- 18 feet minimum length.
- Access aisle 5 foot minimum width, located on the passenger side with head-end parking, can be shared with another EVCS vehicle space.
- Surface marking 12” high letters “EV CHARGING ONLY”.

11B-812.6.1

Electric Vehicle Charging Stations



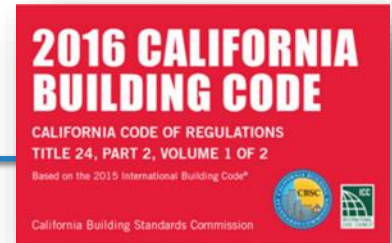
Standard Accessible EV Space

Similar to standard accessible parking space:

- 9 feet minimum width.
- 18 feet minimum length.
- Access aisle 5 foot minimum width, located on either side of space, can be shared with another EVCS vehicle space.
- Surface marking 12” high letters “EV CHARGING ONLY”.

11B-812.6.1

Electric Vehicle Charging Stations



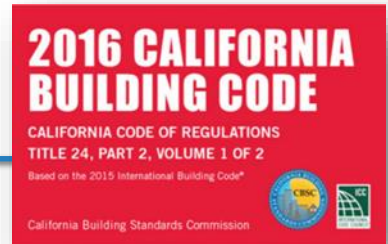
Ambulatory EV Space

No comparable requirement in accessible parking.

- 10 feet minimum width.
- 18 feet minimum length.
- No access aisle required.
- Surface marking 12” high letters “EV CHARGING ONLY”.
- Additional width of space provides increased access for individuals with limited or temporary mobility challenges.

11B-812.6.1

Electric Vehicle Charging Stations



Drive-Up EVCS

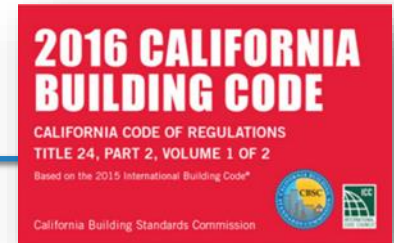
Analogous to motor fuel pump island at filling stations.

- 17 feet minimum width.
- 18 feet minimum length.
- No access aisle required.
- Accessible route required from electric vehicle charging station to facility entrance or site arrival point.

11B-812.6.1



Electric Vehicle Charging Stations

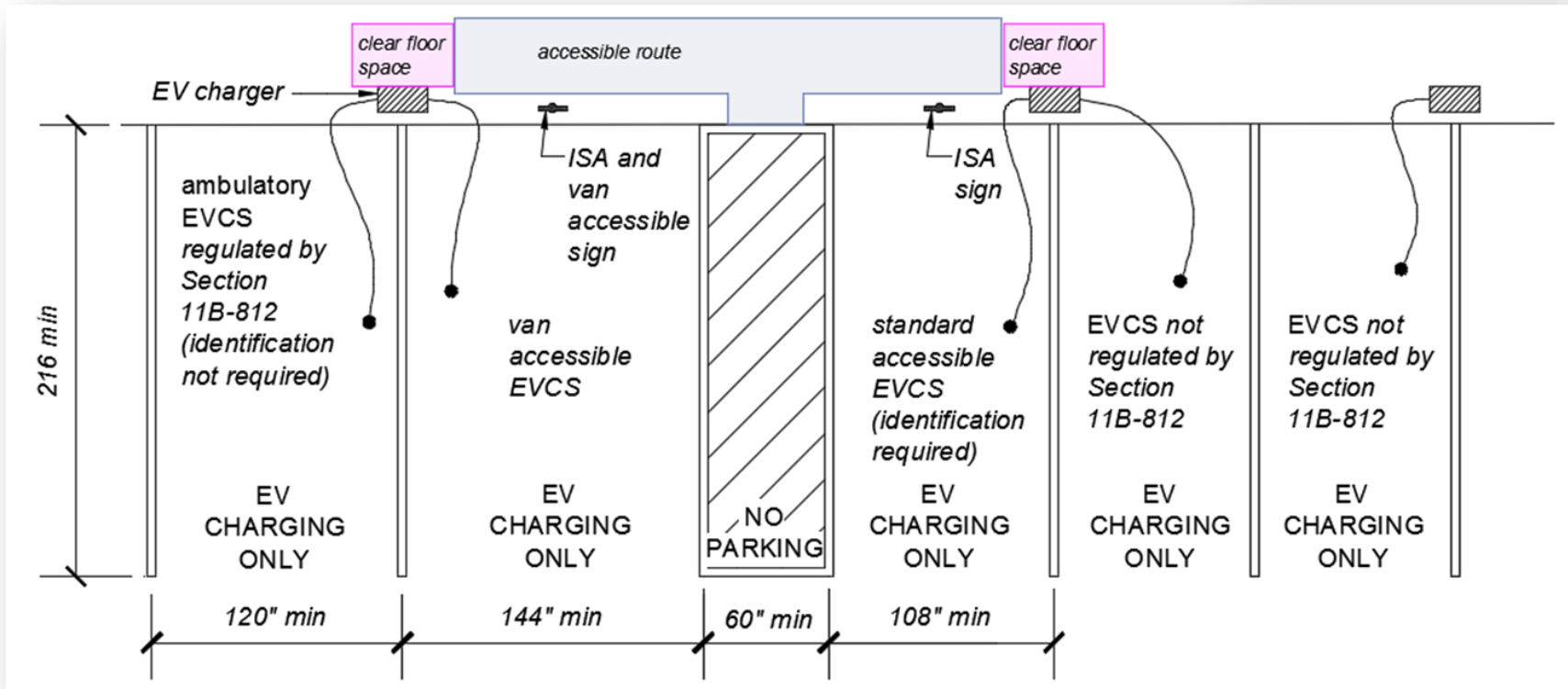


Accessible route requirements

- An accessible route shall be provided connecting the EV space to the EV charger that serves it.
- EVCS shall be designed so accessible routes are not obstructed by cable or other elements.
- EVCS that serve a particular building or facility shall be located on an accessible route to an accessible entrance.
- Where EVCS do not serve a particular building or facility, EVCS shall be located on an accessible route to an accessible pedestrian entrance of the EV charging facility.

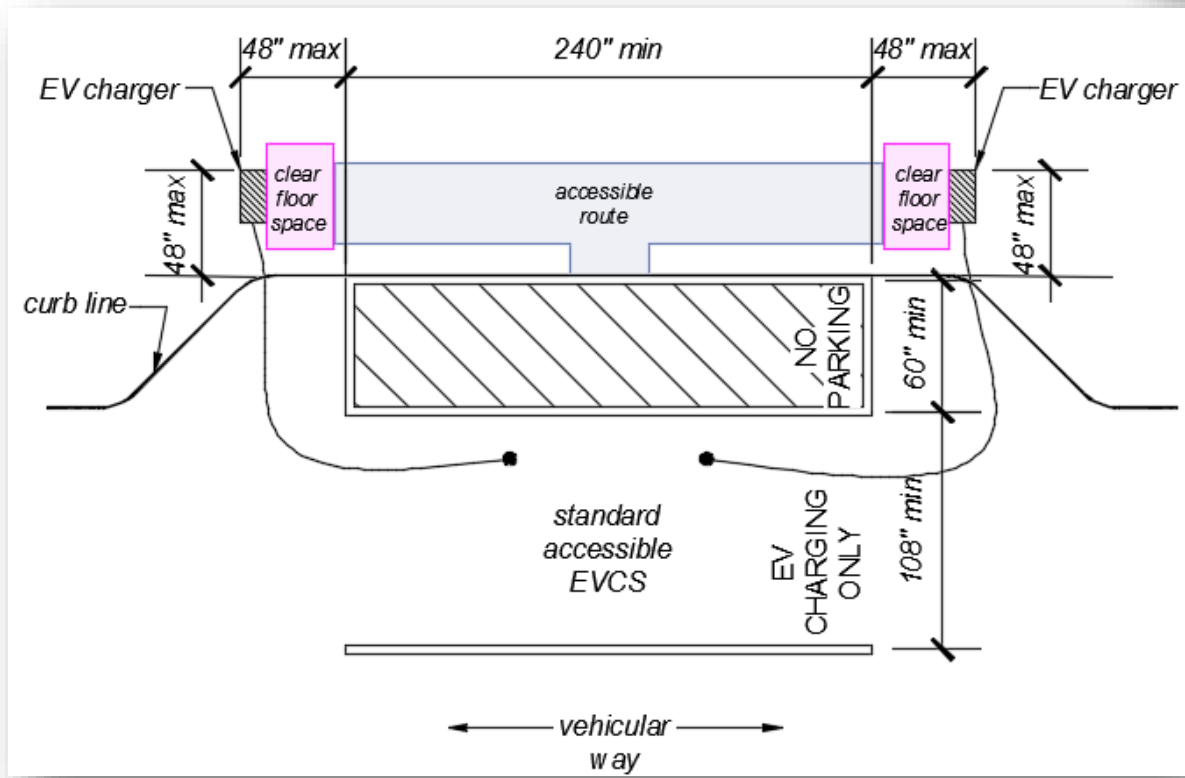
11B-812.6.4

Electric Vehicle Charging Stations



Where 26 EVCS provided: two accessible EV spaces required

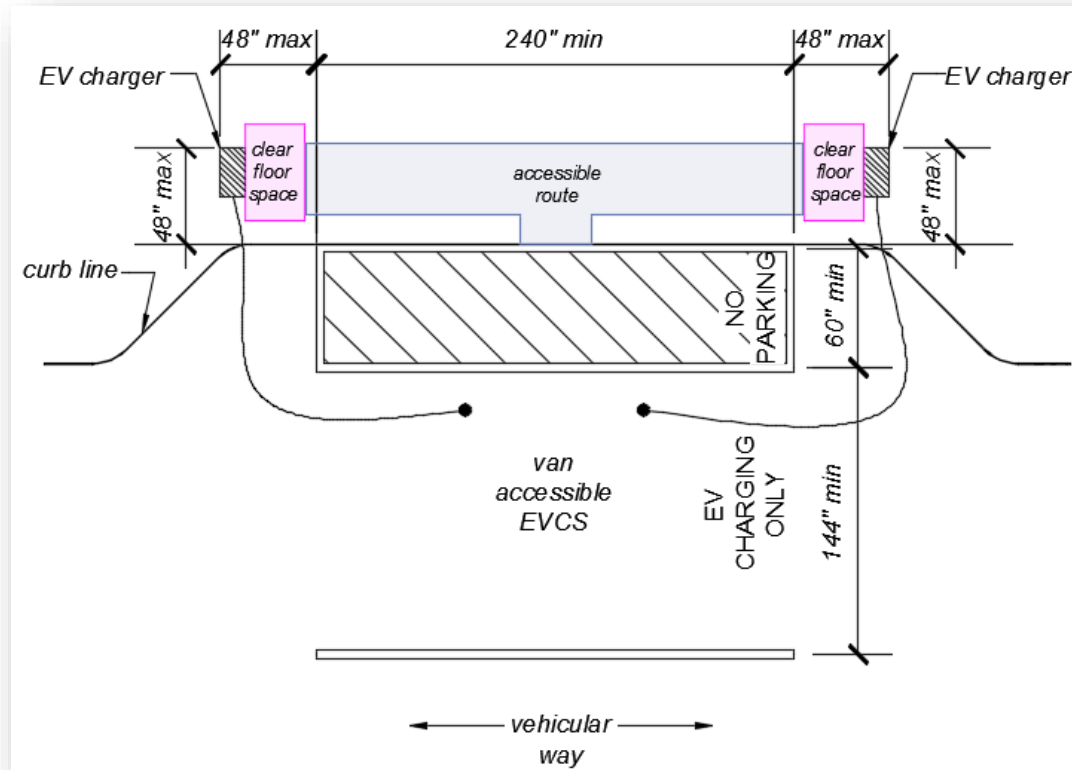
Electric Vehicle Charging Stations



Optional locations for EV Chargers – Either head or foot end of space.

Standard Accessible EVCS Parallel to Vehicular Way

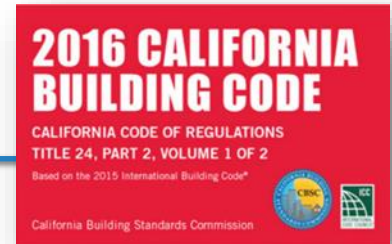
Electric Vehicle Charging Stations



Optional locations for EV Chargers – Either head or foot end of space.

Van Accessible EVCS Parallel to Vehicular Way

Electric Vehicle Charging Stations



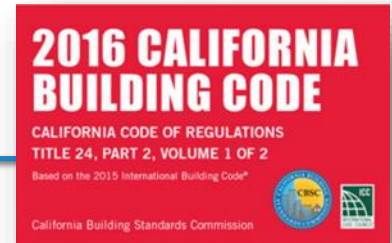
Identification for Accessibility

Installation of 1 to 4 EVCS

- No identification signs required.
- Space is designed for accessibility, use available to everyone, not limited to those with disabled person parking placards or license plates.



Electric Vehicle Charging Stations



Identification for Accessibility

Installation of 26 or more EVCS

- All required van accessible and standard accessible EV spaces shall be identified by an ISA.

Ambulatory EVCS and Drive-up EVCS

- Not required to be identified by an ISA

When properly signed per local ordinance, EVCS charging time limits apply to all users.



Electric Vehicle Charging Stations



Scoping Provisions – Path of Travel

Alterations solely for the purpose of adding EVCS at facilities where vehicle fueling, recharging, parking or storage is **NOT** a primary function:

- Compliance with 11B-202.4 for POT upgrades not required

EVCS installations at facilities where vehicle fueling, recharging, parking or storage is a primary function:

- Cost of compliance for required POT elements is limited to 20% of the adjusted construction cost.

Geometric Symbols

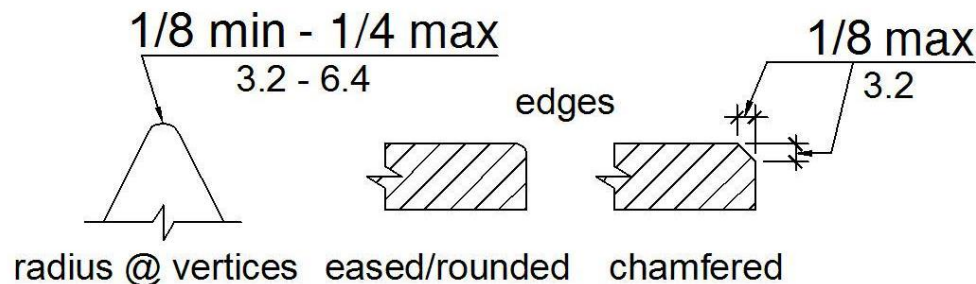


11B-216.8.1 Geometric symbols.

- Exception for locations where geometric symbols are not required; including but not limited to; patient sleeping rooms, transient lodging guest rooms, and residential dwelling units.

11B-703.7.2.6 Toilet and bathing facilities geometric symbols.

- Provides detailed technical requirements for geometric symbols.



All-Gender Single User Toilet Room Identification

Health and Safety Code Section 118600 requires:

All single-user toilet facilities in any –

- Business Establishment
- Place of Public Accommodation
- State or Local Government Agency

Shall be identified as all-gender toilet facilities by signage complying with Title 24, California Code of Regulations.

Toilet room designated for use by no more than one occupant at a time or family or assisted use.

Effective date March 1, 2017

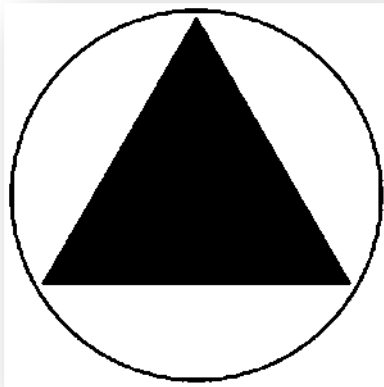
All-Gender Single User Toilet Room Identification

SIGNAGE PROVISIONS IN CHAPTER 11B OF THE CBC:

- Geometric symbols are required at entrances to toilet and bathing rooms.
- The “Unisex” symbol signifies toilet and bathing rooms available for use by all individuals.
- Pictograms, text and braille are not required on the geometric symbol. If provided would conflict with code.
- Wall-mounted designation signs are not required but if provided must comply with the sign provisions.

All-Gender Single User Toilet Room Identification

Geometric Symbol,
Code Required



Acceptable Examples Designation
Signs, not required by code



Facilities Manual References

Project Programmatic Guidelines

RD4.1 Providing Gender Inclusive Facilities

4.1.3 Guidelines and Compliance

Campuses and other UC locations (e.g. Medical Centers, Laboratories, Agriculture and Natural Resources (ANR), or Natural Reserve System (NRS), etc.). A due date for completion of initial tasks is noted after each task, where applicable:

- **CAMPUS PROCESS: November 1, 2015.**
- **INITIAL AUDIT: November 1, 2015.**
- **CONVERT EXISTING FACILITIES:**
Convert existing single-occupancy or single-stall restrooms in all UC-owned buildings from gender-specific to gender inclusive facilities with privacy and security as noted in the definitions. **March 1, 2016.**
- **NEW CONSTRUCTION or RENOVATION: on or after July 1, 2015,**
provide at least one gender inclusive restroom on each floor where restrooms are required or provided in a building.
- **RESTROOM RENOVATION:** When extensive renovations are made to existing restrooms (exceeds 50% of the restroom replacement cost) or when extensive renovations are made to one of more floors on an existing building that do not already have at least one gender inclusive restroom, ***the project shall provide a gender inclusive restroom in the same building.***
- **HARDSHIP:** Process

UC aims to implement best practices for gender inclusive facilities.

UNIVERSITY OF CALIFORNIA Office of the President

Jobs People Search

HOME ABOUT ORGANIZATION

UCOP > CFO > Capital Asset Strategies and Finance > Construction Services > UC Facilities Manual > Resource Directory

Construction Services

OVERVIEW STAFF **UC FACILITIES MANUAL** PROGRAMS & PROCESSES ADVERTISEMENTS

UC FACILITIES MANUAL

Introduction and Quick Links

Volume 1: University Administration

Volume 2: Planning

Volume 3: Design

Volume 4: Construction Contracting

Volume 5: Bidding & Construction Administration

Volume 6: Plant Operations & Maintenance

Contract Templates - Construction

Contract Templates - Design and Other Consultants

Resource Directory

Glossary

- ▶ RD1: Samples & Forms
- ▶ RD2: Checklists
- ▶ RD3: Ancillary Contract Documents
- ▼ RD4: Project Programmatic Guidelines
 - RD4.1: Providing Gender Inclusive Facilities**
 - RD4.2: Guidelines-EH&S, Fire Marshal and Site Analysis

Time to take a break!

WHEN YOU HAVE 15 MINS:



Go for a walk outside

Moving your body will help boost your mood, keep illness at bay and keep you energised throughout the day.¹⁰



Step outside and call a family member.

Check in on them and see how they're doing. They'll appreciate it and can give you time to blow off some steam.¹¹



See if a work friend could use a break.

Go grab some food or a hot drink and chat away as you stretch your legs.¹¹



Listen to a podcast.

There are many to choose from on Spotify and iTunes, so you're bound to find something you'll really enjoy.

Plan Review for Accessibility

Accessible Route vs. Path of Travel

Accessible Route

Division 2 – Scoping begins with the following premise.

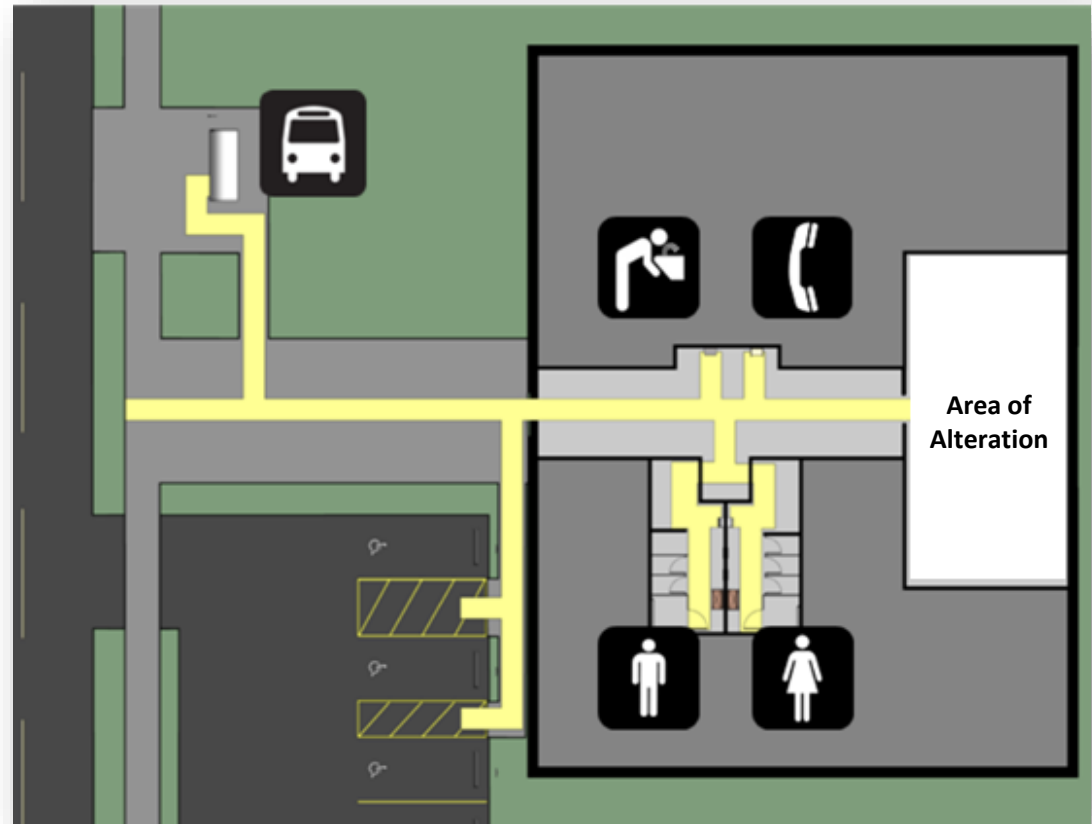
All areas of newly designed and newly constructed buildings and facilities and altered portions of existing buildings and facilities shall comply with these requirements.

- The scoping requirements set forth the number of elements required to be accessible or on an accessible route based on building or facility use.
- The technical sections prescribe how elements are constructed to provide accessibility.

Path of Travel

The primary accessible Path of Travel (POT) includes the following elements *servicing the area of alteration*:

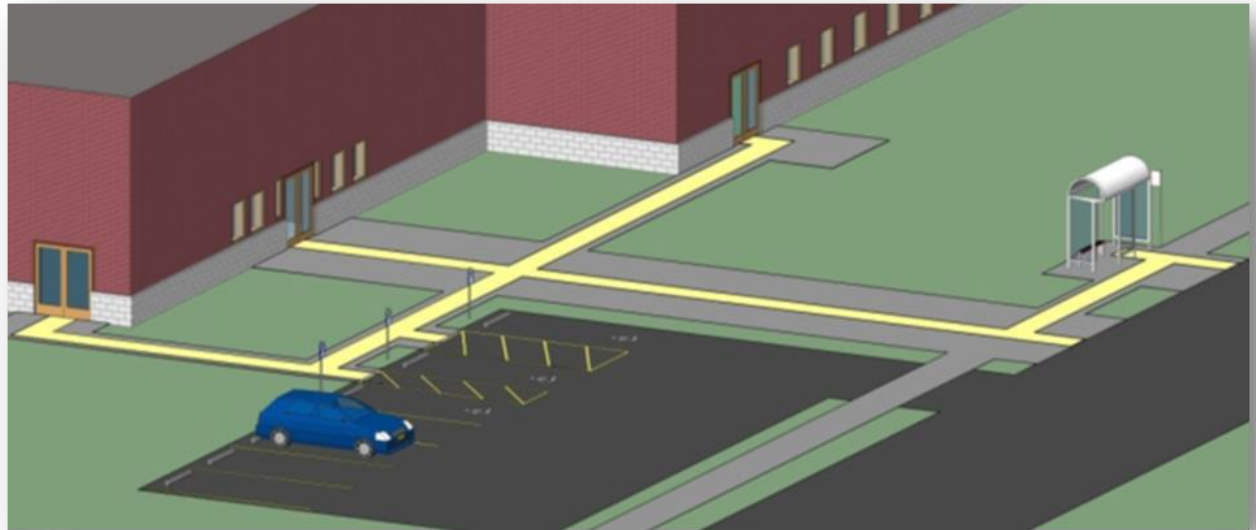
- A primary entrance to the building or facility
- Toilet and bathing facilities
- Drinking fountains
- Public telephones
- Signs (California requirement)



Path of Travel

The primary accessible Path of Travel (POT) includes the following site arrival points and elements *servicing the area of alteration*:

- Sidewalks
- Streets
- Parking
- Passenger Loading Zones
- Bus Stops



Sidewalks vs. Walks

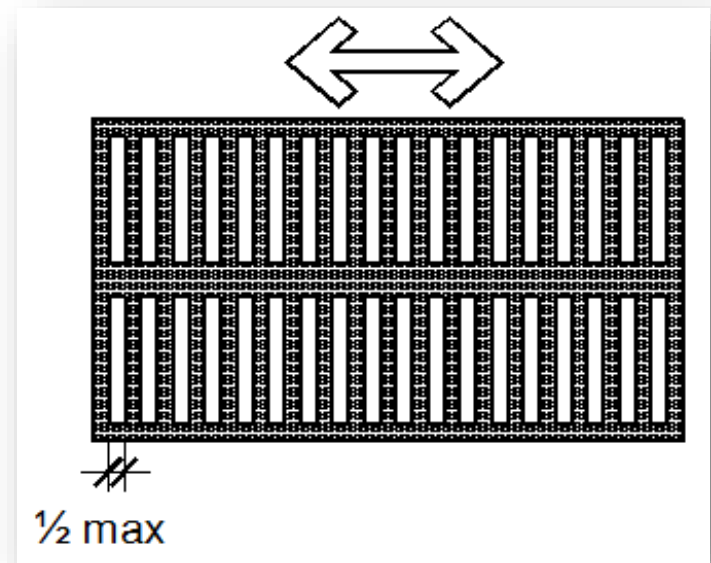
Sidewalks and walks

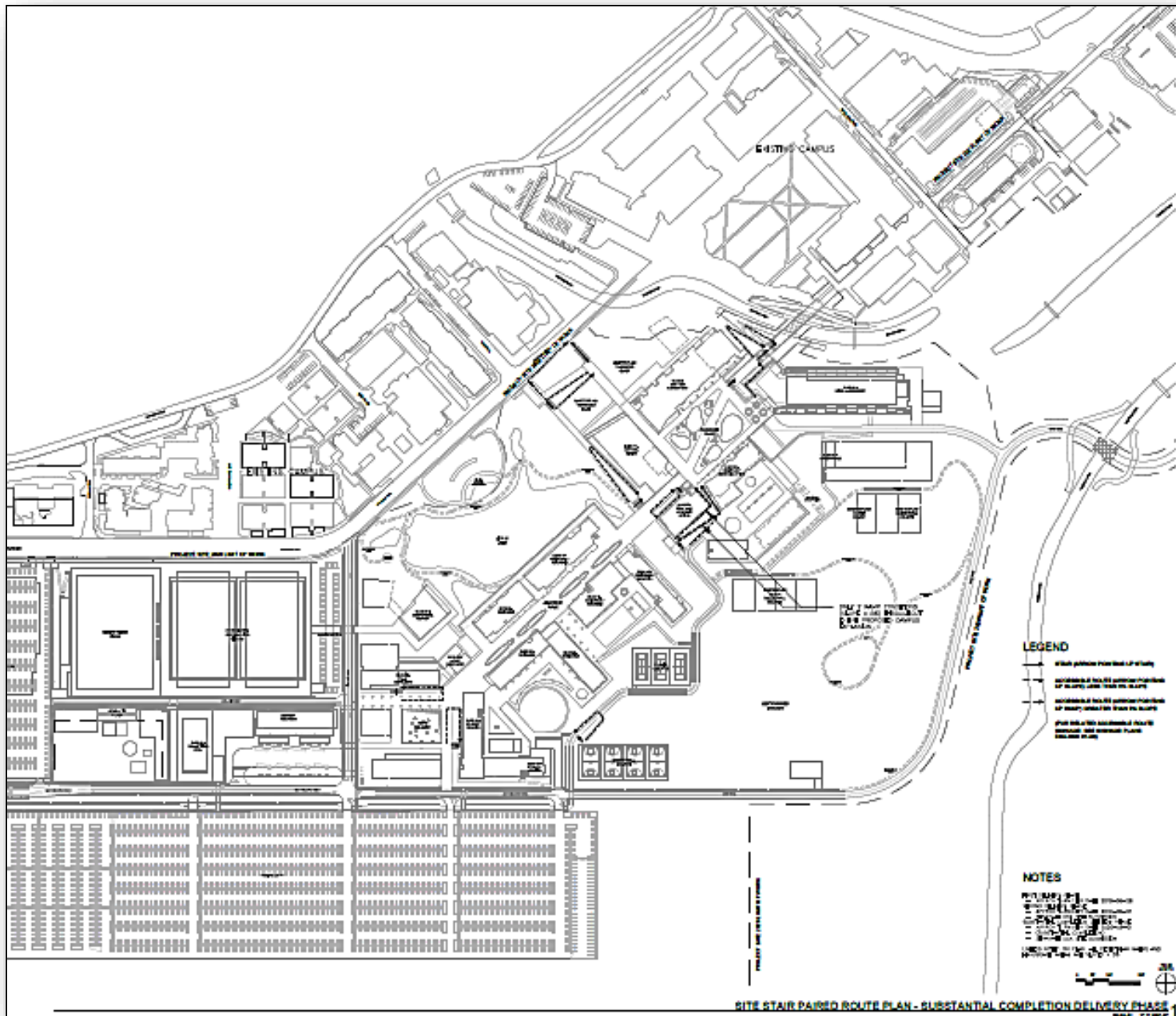
- Sidewalk – running slope – not to exceed general grade established for adjacent street or highway
- Walks - running slope – 1:20 or 5% maximum
- Cross slope – 1: 48 or 2.083 % maximum



Sidewalks and Walks

- Width – 48 inches – can be reduced to 36 inches in case of unreasonable hardship
- Elongated openings – long dimension perpendicular to the dominant direction of travel





FILE NO.	COUNTY	DIST.	SECTION	DATE	SCALE
				October 25, 2015	

SINGLE PARKING STALL

DOUBLE PARKING STALL

DETAIL A

ISA MARKING See Standard Plan A24C

OFF-STREET PARKING SIGNS
(Parking lot or garage See Note 6)

Sign 899 (CA)

Sign 899C (CA) See Note 6

Sign 899B (CA) See Note 10

Plaque 899B (CA) with Plaque 899B (CA) See Note 6

Sign 899B (CA) See Note 10

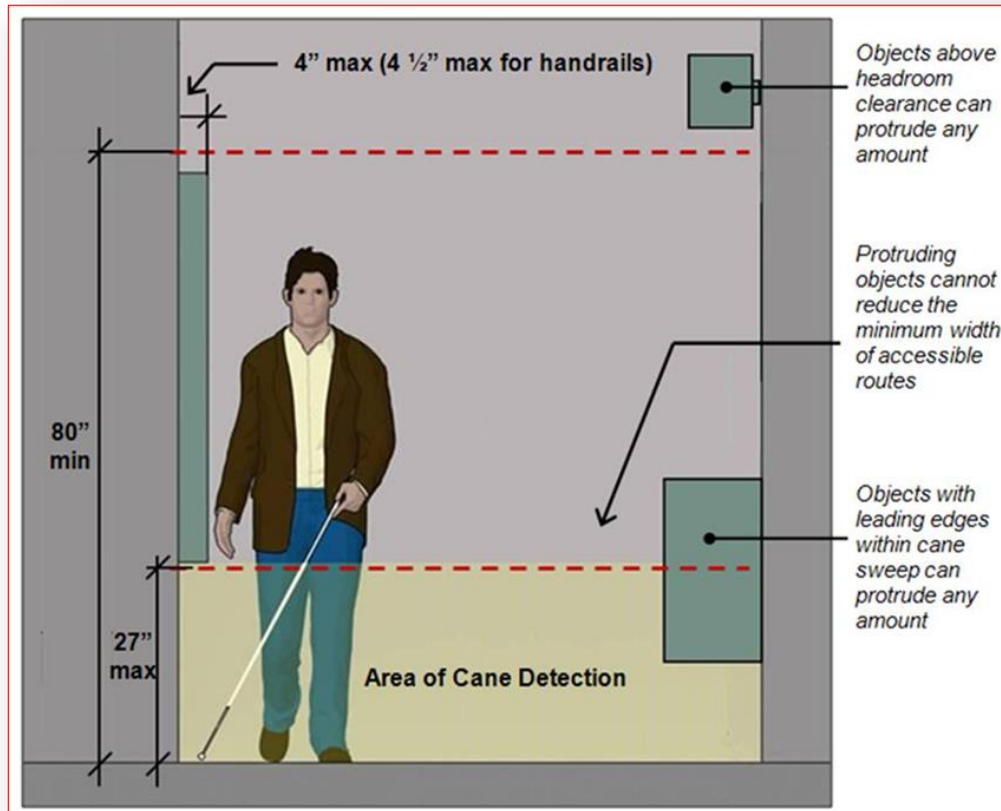
Sign 899B (CA) See Notes 2 and 6

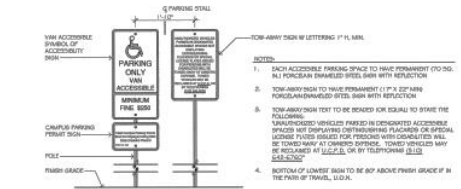
- NOTES:**
1. Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility.
 2. One in every six accessible off-street parking stalls, but not less than one, shall be served by an accessible aisle of 8'-0" minimum width and shall be served with accessible. The 8'-0" sign shall be mounted below the 899 (CA) plaque or the 899C (CA) sign.
 3. In each parking stall, a curb or parking bumper shall be provided if required to prevent encroachment of vehicles over the required width of aisles. Bumpers shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own. For more parking bumper requirements, see the Standard Specifications.
 4. Parking spaces and access aisles shall be level with surface slopes not exceeding 1:50 in all directions.
 5. Table A shall be used to determine the required number of accessible parking stalls in each parking lot or garage.
 6. Where Plaque 899B (CA), Sign 899C (CA) or Sign 899B (CA) are installed, the bottom of the sign or plaque panel shall be a minimum of 1'-2" above the surrounding surface.
 7. Curb ramps shall conform to the details shown on Standard Plan 888L.
 8. Blue paint, instead of white may be used for marking accessibility aisles in areas where blue may cause white markings to not be visible.
 9. The words "NO PARKING" shall be painted in white letters no less than 1'-0" high and located so that it is visible to traffic enforcement officials. See Standard Plan 899B for details of the "NO PARKING" pavement marking.
 10. A 899B (CA) sign shall be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each stall. The sign shall include the address where the most vehicle may be retrieved and the telephone number of the local traffic law enforcement agency.
 11. Where a single (forward) accessible parking space is provided, the loading and unloading access shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
 12. Where a van accessible parking space is provided, the loading and unloading access shall be 8'-0" wide minimum, and shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
 13. Accessible Parking Only sign shall be sign 899C (CA) or sign 899B (CA) with Plaque 899B (CA).
- LEGEND**
- ISA = International Symbol of Accessibility

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ACCESSIBLE PARKING
OFF-STREET**
NO SCALE

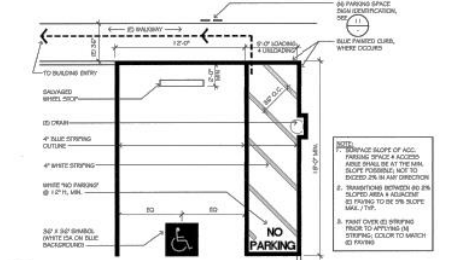
A90A

Protruding Objects

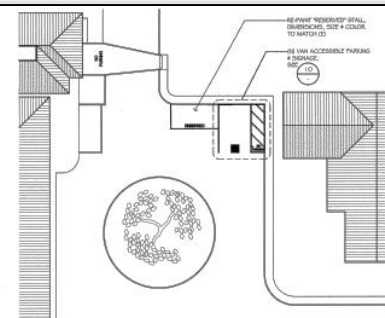




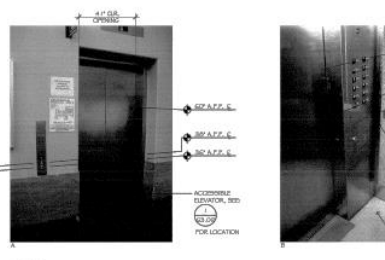
11 (N) VAN ACCESSIBLE PARKING SIGNAGE
SCALE: N.T.S.



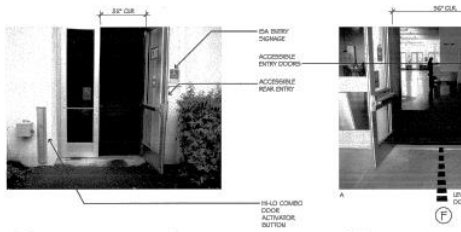
10 (N) VAN ACCESSIBLE PARKING STALL
SCALE: 1/8\"/>



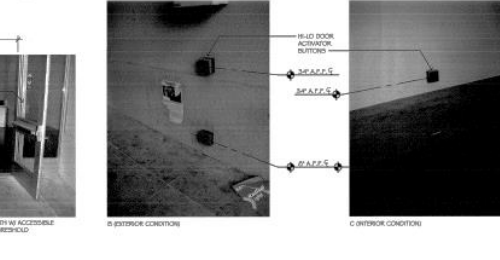
7 (N) DIMNELLE SITE PLAN # (E) PARKING CIRCLE
SCALE: 3/8\"/>



6 (E) ELEVATOR
SCALE: N.T.S.



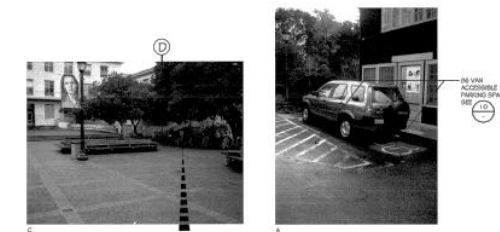
9 P.O.T. - ACCESSIBLE ENTRY
SCALE: N.T.S.



5 P.O.T. - ACCESSIBLE ENTRY
SCALE: N.T.S.



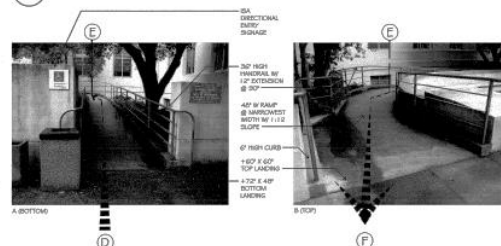
8 P.O.T. - TO DWINELLE HALL
SCALE: N.T.S.



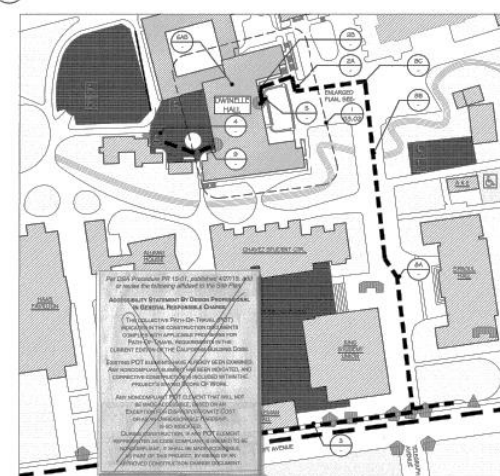
4 P.O.T. - (E) PARKING STALL
SCALE: N.T.S.



3 POT - BUS / SHUTTLE STOP & CURB CUT
SCALE: N.T.S.

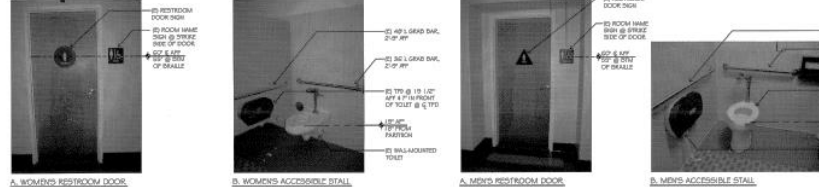
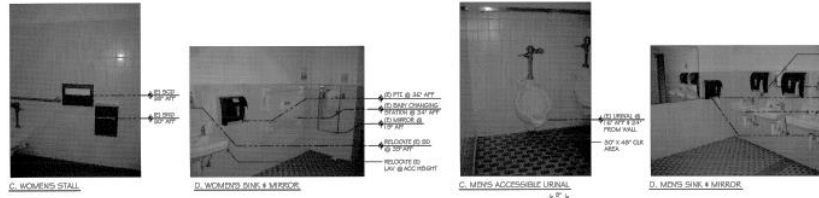


2 POT - ACCESSIBLE RAMP
SCALE: N.T.S.



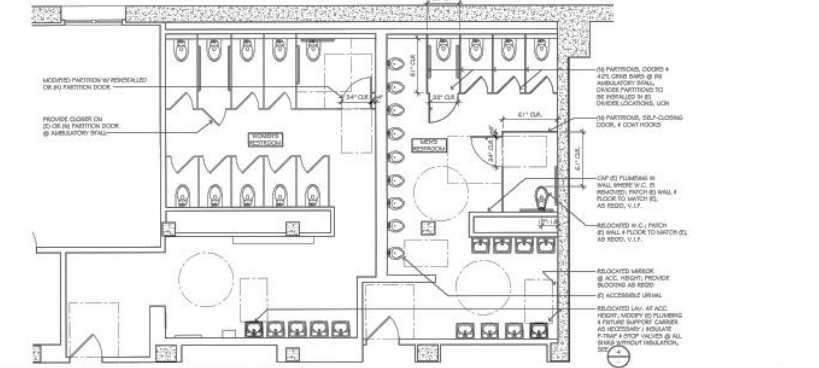
1 PATH OF TRAVEL - DWINELLE HALL
SCALE: N.T.S.

PATH OF TRAVEL ROUTE:
DESIGN RESPONSIBILITY IN GENERAL RESPONSIBLE CHARGE (GRC):
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPARABLE WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATHS OF TRAVEL. ACCESSIBILITY PROVISIONS FOR PATHS OF TRAVEL REQUIRES FOR ADDITIONAL ACCESSIBILITY AND STRUCTURAL REVIEW AS PART OF THE DESIGN OF THIS PROJECT. THE POT HAS CHANGES AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT I HAVE BEEN IDENTIFIED AND TO THE EXTENT WORK IS NECESSARY TO BRING THIS INTO COMPLIANCE, THE WORK IS NECESSARY TO THE SCOPE OF THIS PROJECT WORK THROUGH DETAIL, DRAWING AND SPECIFICATIONS. ACCESSIBILITY TO THESE CONSTRUCTION DOCUMENTS, ANY IDENTIFIABLE ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT SHALL BE UNRESERVABLY THE RESPONSIBILITY OF THE ARCHITECT. UNRESERVABLY THE ARCHITECT ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
DURING CONSTRUCTION, IF POT TRAVEL WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS A GRC COMPLIANT ARE FOUND TO BE NON-COMPLIANT SECOND PERSONAL CONSTRUCTION SUPERVISORS, THEY SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. ACCESSIBILITY OF ACCESSIBILITY PROVISIONS AS INDICATED ON THESE DOCUMENTS IS A BARRED FREE ACCESS ROUTE WITHOUT ANY GRAB BAR, CHAIRS, SEATING, LIFT OR OTHER EXCESSIVE SLOPE, AND A LEAST 48\"/>

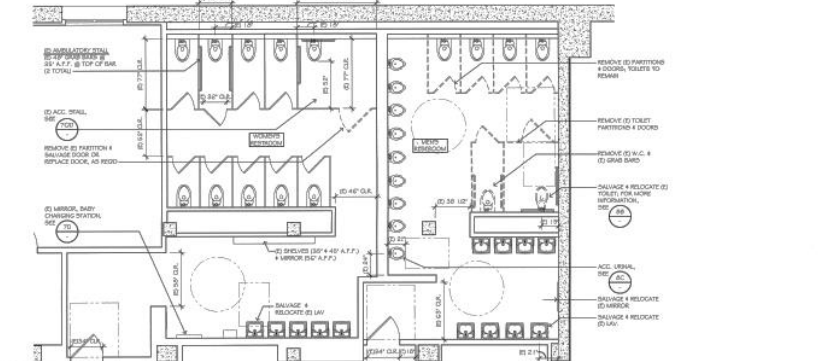


7 (G) WOMEN'S RESTROOM
SCALE: 1/4" = 1'-0"

8 (H) MEN'S RESTROOM
SCALE: 1/4" = 1'-0"

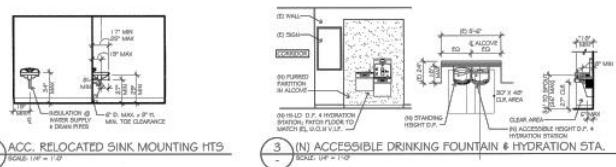


6 WOMEN'S & MEN'S LEVEL C RESTROOM - (N) WORK
SCALE: 1/4" = 1'-0"



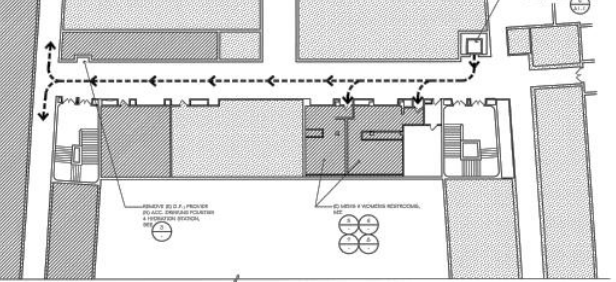
5 WOMEN'S & MEN'S LEVEL C RESTROOM - DEMOLITION
SCALE: 1/4" = 1'-0"

SHEET NOTES:	ACCESSIBILITY CLEARANCES:	FLOOR PLAN LEGEND:
<p>THE COLLECTIVE PATH OF TRAVEL (POT) INDICATED IN THE CONSTRUCTION DOCUMENTS COMPLIES WITH APPLICABLE PROVISIONS FOR POT REQUIREMENTS IN THE CURRENT EDITION OF THE CODE.</p> <p>EXISTING POT ELEMENTS HAVE ALREADY BEEN EXAMINED. ANY WORKAROUND ELEMENTS HAVE BEEN INDICATED, AND COLLECTIVE CLEARANCES FOR ELEMENTS WITHIN THE PROJECT'S STATED SCOPE OF WORK.</p> <p>PROPOSED CLEARANCES FOR ELEMENTS THAT WILL NOT BE MADE ACCESSIBLE, BASED ON AN EXCEPTION FOR PERFORMANCE CODE OR AS AN UNREASONABLE HARDSHIP, IS SO INDICATED.</p> <p>IF A WORK ELEMENT IS DEEMED TO BE UNREASONABLE, IT SHALL BE MADE ACCESSIBLE AS PART OF THE PROJECT BY MEANS OF AN APPROVED CONSTRUCTION CHANGE DOCUMENT.</p>	<p>TURN AROUND CIRCLE</p> <p>DOOR CLEARANCES</p> <p>LAV CLEARANCES</p>	<p>AREA N.L.C.</p> <p>AREA OF WORK, S.A.S., U.O.C.</p> <p>NO PARTITION</p> <p>NO CONC. WALL</p> <p>NO PARTITION OR OBJECT TO BE REMOVED, LOW</p> <p>NO PARTITION OR NON-ARIST</p> <p>IN FLOOR & BASE TO MATCH EX. FINISH OR TO MATCH EX. OR NEED</p>

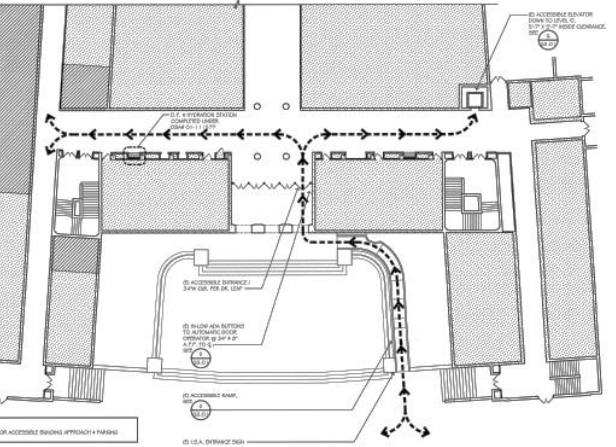


4 ACC. RELOCATED SINK MOUNTING HTS.
SCALE: 1/4" = 1'-0"

3 (N) ACCESSIBLE DRINKING FOUNTAIN & HYDRATION STA.
SCALE: 1/4" = 1'-0"



2 DWINELLE FLOOR PLAN - LEVEL C
SCALE: NOT TO SCALE



1 DWINELLE FLOOR PLAN - GRADE LEVEL C
SCALE: NOT TO SCALE

DOOR SCHEDULE

LEVEL	MARK	WIDTH	HEIGHT	FRAME TYPE	FRAME MATERIAL	LEAF TYPE	LEAF MATERIAL	FIRE RATING	FUNCTION	KEY PAD	CLOSER	DRIP SEAL	GASKET	HOLD OPEN	POWER ASSIST OPERATOR	COMMENTS
LEVEL C	4	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	FREE BORESS	Yes	Yes	No	No	No	No	EXISTING, ADD TRLDOY HARDWARE
LEVEL C	8	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	FREE BORESS	Yes	Yes	No	No	No	No	EXISTING, ADD TRLDOY HARDWARE
LEVEL C	15	3'-0"	7'-0"	3	ALUM	B	AL/VGL	45 MIN.	FREE BORESS	Yes	Yes	No	No	Yes	No	TRLDOY HARDWARE
LEVEL C	15A	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15B	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15C	3'-0"	7'-0"	(E) 5	ALUM	C	SC WDVGL	20 MIN.	FREE BORESS	No	Yes	Yes	Yes	Yes	Yes	EXISTING
LEVEL C	15D	3'-0"	7'-0"	(E) 5	ALUM	(E)	(E)	(E) 20 MIN.	FREE BORESS	No	Yes	No	No	No	No	EXISTING
LEVEL C	15E	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	No	No	No	No	
LEVEL C	15F	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	No	No	No	No	
LEVEL C	15G	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	No	No	No	No	
LEVEL C	15H	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15I	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15J	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15K	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15L	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15M	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	15P	3'-0"	7'-0"	1	ALUM	E	SC WDVGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL C	80	3'-0"	7'-0"	5	ALUM	C	SC WDVGL	20 MIN.	OFFICE	Yes	Yes	No	No	No	No	RE-USE EXISTING DOOR + FRAME, ADD TRLDOY HARDWARE
LEVEL C	41	3'-0"	7'-0"	5	ALUM	(E)	(E)	(E) 20 MIN.	OFFICE	No	Yes	No	No	No	No	EXISTING
LEVEL C	43	3'-0"	7'-0"	5	ALUM	A	SC WD	20 MIN.	OFFICE	No	Yes	Yes	No	No	No	RE-USE EXISTING DOOR + FRAME
LEVEL C	44	3'-0"	7'-0"	5	ALUM	C	SC WDVGL	20 MIN.	FREE BORESS	Yes	Yes	Yes	Yes	No	No	RE-USE EXISTING DOOR + FRAME, ADD TRLDOY HARDWARE
LEVEL C	44B	3'-0"	7'-0"	5	ALUM	C	SC WDVGL	20 MIN.	FREE BORESS	No	Yes	Yes	Yes	No	No	EXISTING
LEVEL C	44B	3'-0"	7'-0"	1	ALUM	C	SC WDVGL		PASSAGE	No	No	Yes	Yes	No	No	
LEVEL C	44C	3'-0"	7'-0"	1	ALUM	C	SC WDVGL		PASSAGE	No	No	Yes	Yes	No	No	
LEVEL C	45	3'-0"	7'-0"	1	ALUM	C	SC WDVGL		PASSAGE	No	No	Yes	Yes	No	No	
LEVEL C	47	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	OFFICE	No	Yes	Yes	Yes	No	No	EXISTING
LEVEL C	49	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	OFFICE	No	Yes	No	No	No	No	EXISTING
LEVEL D	111A	4'-0"	7'-0"	5	ALUM	A	SC WD	20 MIN.	FREE BORESS	No	Yes	Yes	Yes	No	No	TRLDOY HARDWARE
LEVEL D	111	3'-0"	7'-0"	5	ALUM	B	AL/VGL	45 MIN.	FREE BORESS	Yes	Yes	No	No	No	No	
LEVEL D	117A	3'-0"	7'-0"	3	ALUM	B	AL/VGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL D	117B	3'-0"	7'-0"	3	ALUM	B	AL/VGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL D	117C	3'-0"	7'-0"	1	ALUM	A	SC WD		OFFICE	No	No	Yes	Yes	No	No	
LEVEL D	117D	3'-0"	7'-0"	3	ALUM	B	AL/VGL		OFFICE	No	No	Yes	Yes	No	No	
LEVEL D	127A	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	FREE BORESS	No	Yes	No	No	No	No	EXISTING
LEVEL D	127B	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	(E) 20 MIN.	FREE BORESS	No	Yes	No	No	No	No	EXISTING
LEVEL D	128	3'-0"	7'-0"	3	ALUM	B	AL/VGL	45 MIN.	FREE BORESS	No	Yes	Yes	No	No	No	
LEVEL D	141	3'-0"	7'-0"	(E) 5	(E)	(E)	(E)	20 MIN.	FREE BORESS	No	Yes	No	No	No	No	EXISTING

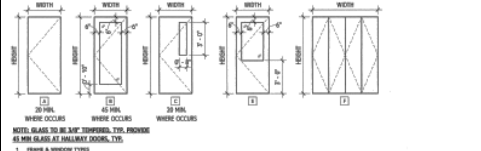
NOTE:
 1. AT NEW HALLWAY OPENINGS, DO NOT USE EXISTING DOORS.
 2. ALUMINUM GLAZED PARTITIONS SHALL BE 1" CLEAR SEALANT BETWEEN BUTT-JOINTS.
 3. CONFIRM HORIZONTAL DOOR & HORIZONTAL STAIRWAYS PRIOR TO ORDERING DOORS AND HARDWARE.
 4. NEW AIR EXISTING DOORS MUST MATCH THE INSIDE AND OUTSIDE LEVELS.

- GENERAL SHEET NOTES**
1. TYPICAL INTERIOR GLAZED PARTITIONS SHALL CONSIST OF FACTORY PRINTED ALUMINUM GLAZED CHAMBERS WITH 1" CLEAR SEALANT BETWEEN BUTT-JOINTS AND GLAZING LITE (CHIPPED).
 2. ALL DOOR HARDWARE TO MATCH BUILDING STANDARD, SEE DOOR SCHEDULE FOR FUNCTIONS.
 3. THROUGH AN ACCESSIBLE WIDTH OF TRAVEL TO BE IN CONFORMANCE WITH CBC 5C-1169A.2.4 THE FLOOR ON EITHER SIDE OF THE DOOR SHALL BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVELS BETWEEN 1/2" AND 1/4" SHALL BE PROVIDED WITH A 3/4" RAMP HAVING A SLOPE OF 1:12. VERTICAL TO 3 DIMS SUBORDINATE (DO NOT SCALE) CHANGE IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMMODATED BY A MEANS OF A RAMP.
 4. INTERIOR CLOSER EFFORT OF CHIC. TRANSDUCER HAVING ADJUSTMENT MAY INCREASE THE HINGING EFFORT TO OPERATE FIRE DOORS TO ACHIEVE A POSITIVE LATCHING, BUT NOT TO EXCEED 5 LBS.
 5. EXTERIOR DOORS AND INTERIOR DOORS NOT TO EXCEED 5 LBS.
 6. FIRE DOORS NOT TO EXCEED 5 LBS. THE ADJUSTIVE HINGING ADJUSTMENT MAY INCREASE THE HINGING EFFORT TO OPERATE FIRE DOORS TO ACHIEVE A POSITIVE LATCHING, BUT NOT TO EXCEED 5 LBS.
 7. DOOR CLOSERS TO COMPLY WITH CBC 5C-1169A.2.4 CLOSURE DELAY TIME: 3 DOORS TO EXCEED FROM A OPEN POSITION OF 70 DEGREES TO WITHIN 5 OF THE LATCH.
 8. WHERE FLOOR BOLT TO CLEAR IN THE ACCESSIBLE PATH OF TRAVEL, PROVIDE ACCESSIBLE FLOOR BOLT (AUTOMATIC).
 9. FLOOR HINGED DOOR STOPS TO BE INSTALLED AT A MAXIMUM OF FOUR INCHES FROM THE FACE OF WALL OR PARTITION.
 10. REMOVE TACKLE EXCEPT SWINGER AT ALL EXISTING DOORS PER CBC.
 11. ALL GLAZING TO BE THERMOSET.
 12. ALL GED DOORS ARE TO BE OPERABLE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT.
 13. ALL ALUMINUM FINISHES SHALL BE BLACK ANODIZED UNLESS NOTED OTHERWISE.
 14. HAND-ACTIVATED HARDWARE TO BE INSTALLED BETWEEN 36" TO 48" AFFL LEVELS PER HARDWARE, FINISH SANS. PUSH-BARS ACTIVATING LEVER HANDLE FOR TRANSIT THROUGH BOLT PER CBC 5C-1169A.2.7.
 15. REFER TO SPECIFICATIONS FOR HARDWARE SETS.
 16. ANY (E) FIRE DOORS THAT ARE TO BE REPELISHED AND REPLACED TO MATCH WITH EXISTING ARE READY FOR INSTALLATION.
 17. COORDINATE WITH TOWER'S SECURITY VENDOR ON ALL DOORS REQUIRING CARD READER OR OTHER IDENTIFICATION DEVICES.
 18. LOCKS TO MATCH BUILDING STANDARD.
 19. DOOR LEAVES TO MATCH CLIMATE STANDARD AT EXISTING FLOOR LEVELS.
 20. FINISH REVISIONS OF EXISTING DOORS TO MATCH THE WALL FINISHES IT IS NOTED.
 21. REPAIR EXISTING DOORS TO BE REPAIR AS REQUIRED.
 22. PATCH EXISTING FRAMES TO BE MATCH AS REQUIRED.
 23. ALL LOCKERS, KEYS AND HARDWARE SHALL BE COMPATIBLE WITH THE BUILDING MASTER KEY SYSTEM, SEE BUILDING HARDWARE SCHEDULE BELOW. FINISH HARDWARE SELECTED SUBJECT TO LANDLORD APPROVAL.

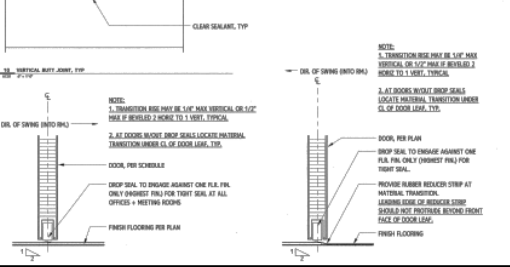
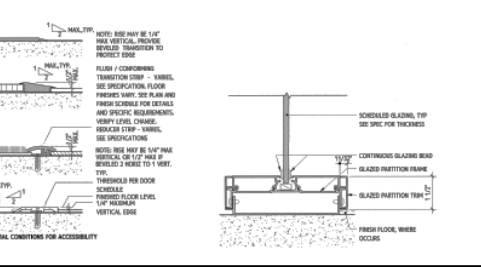
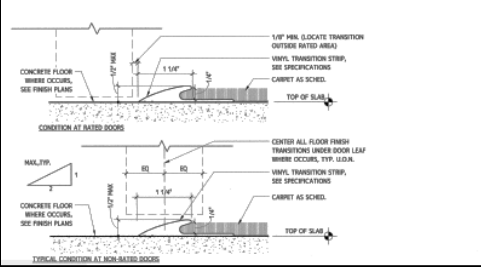
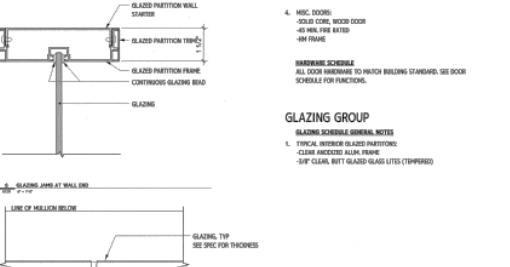
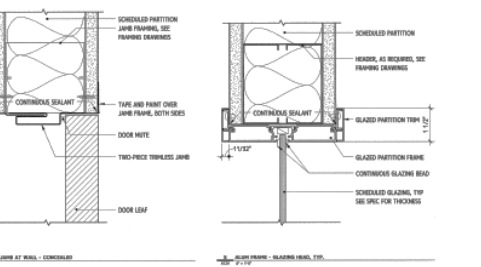
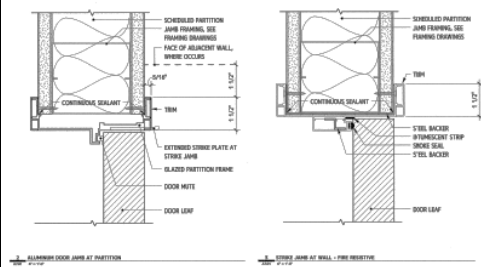
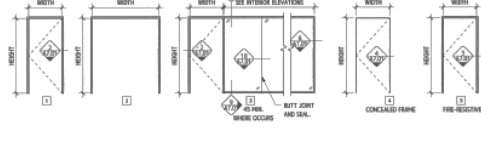
DOOR SCHEDULE LEGEND

SC	SOLID CORE	HA	HOLLOW METAL
NO	WOOD	ALUM	ALUMINUM
GL	GLASS		

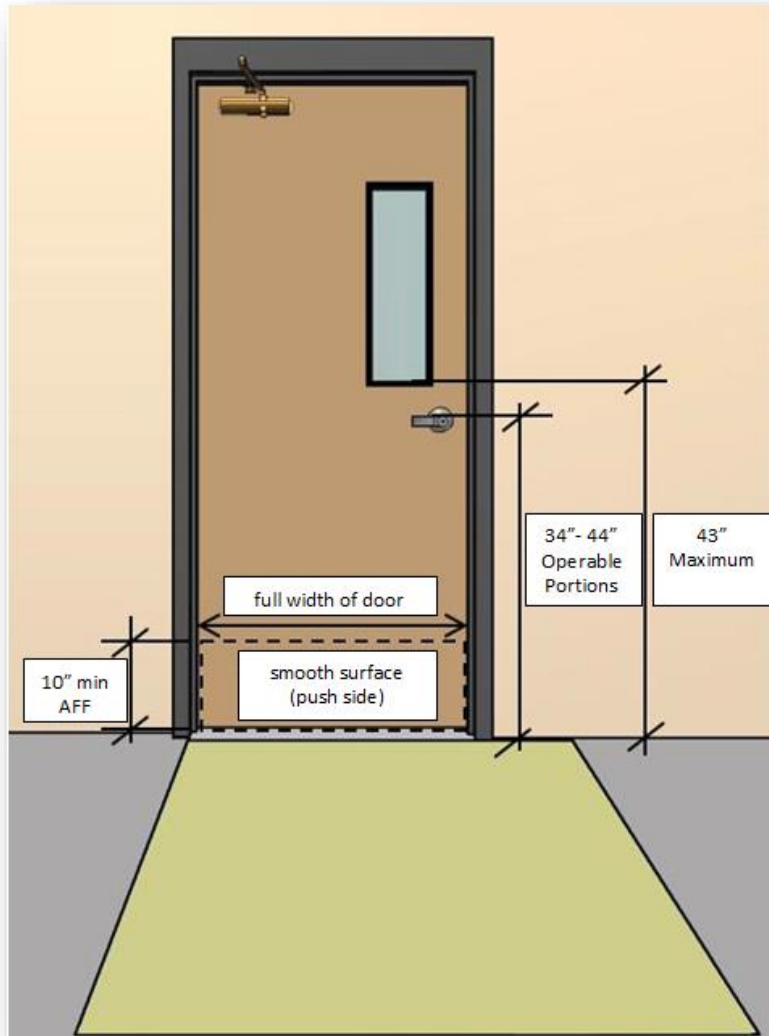
DOOR TYPES



FRAME TYPES

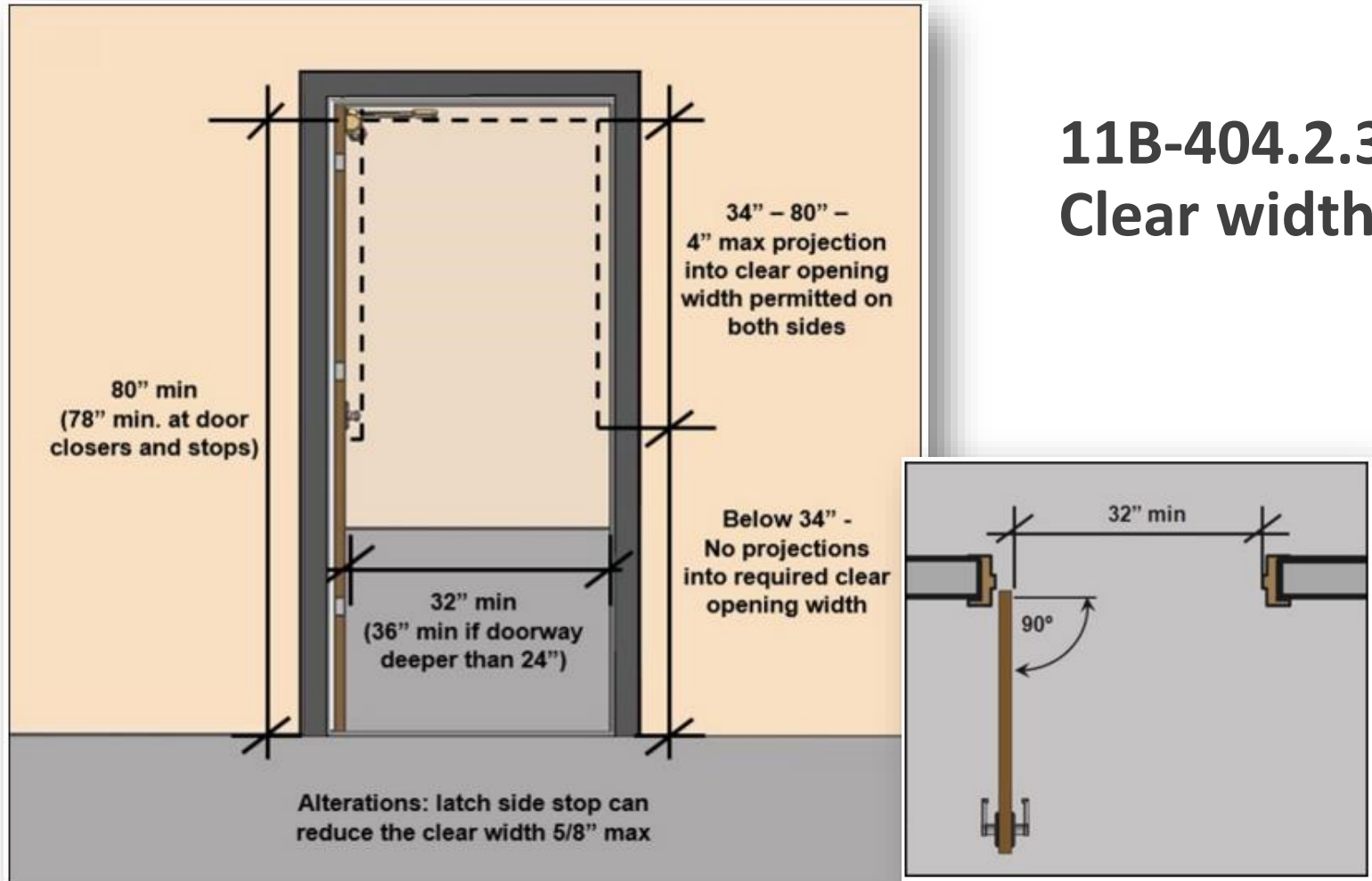


Provisions for Doors

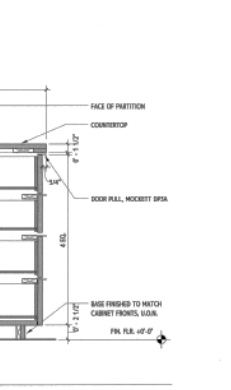
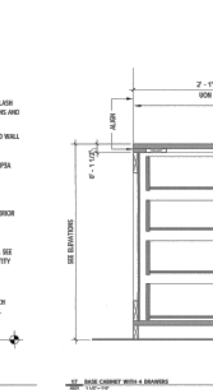
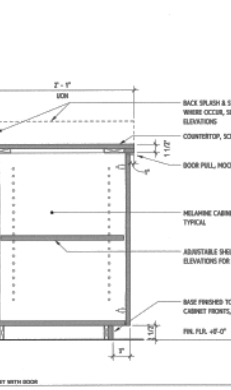
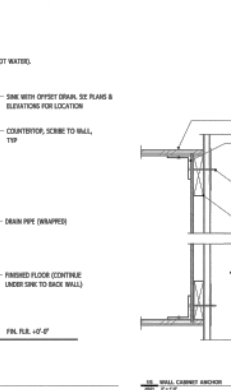
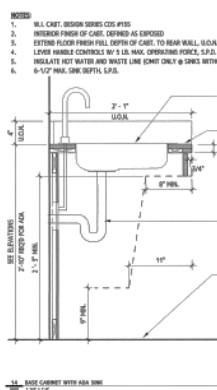
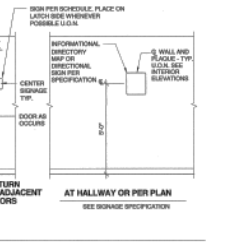
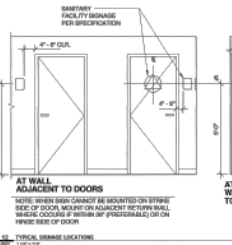
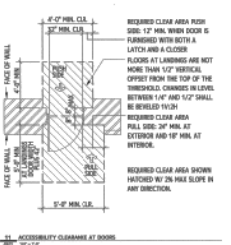
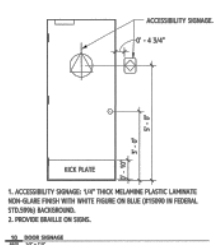
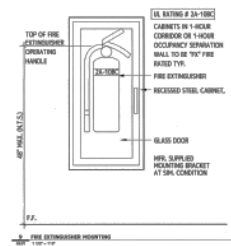
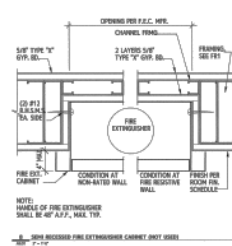
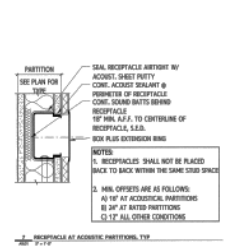
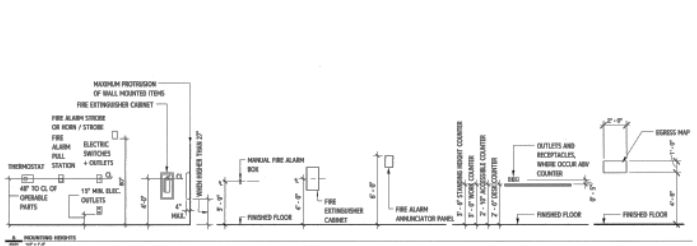
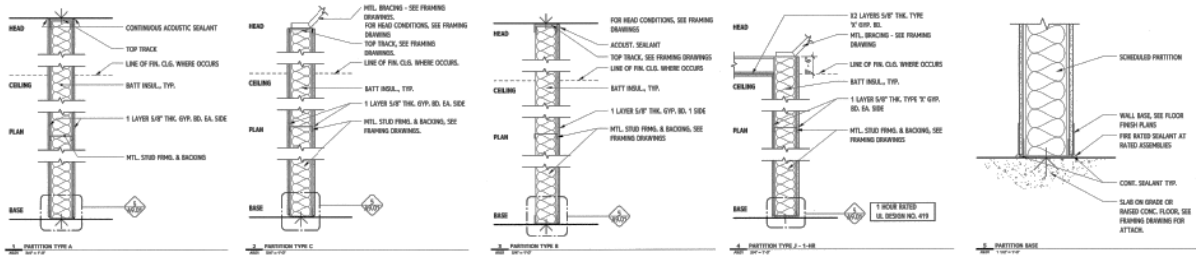


- 11B-404.2.8 Closing speed
- 11B-404.2.11 Vision Lights
- 11B-404.2.10 Door and gate surfaces
- 11B-404.2.9 Opening force
- 11B-404.2.4 Maneuvering clearance

Provisions for Doors

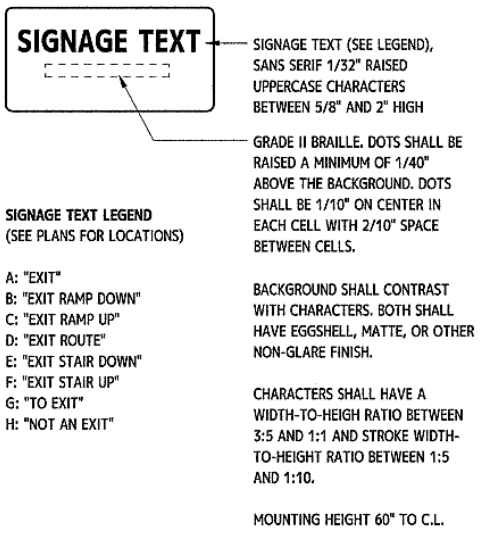
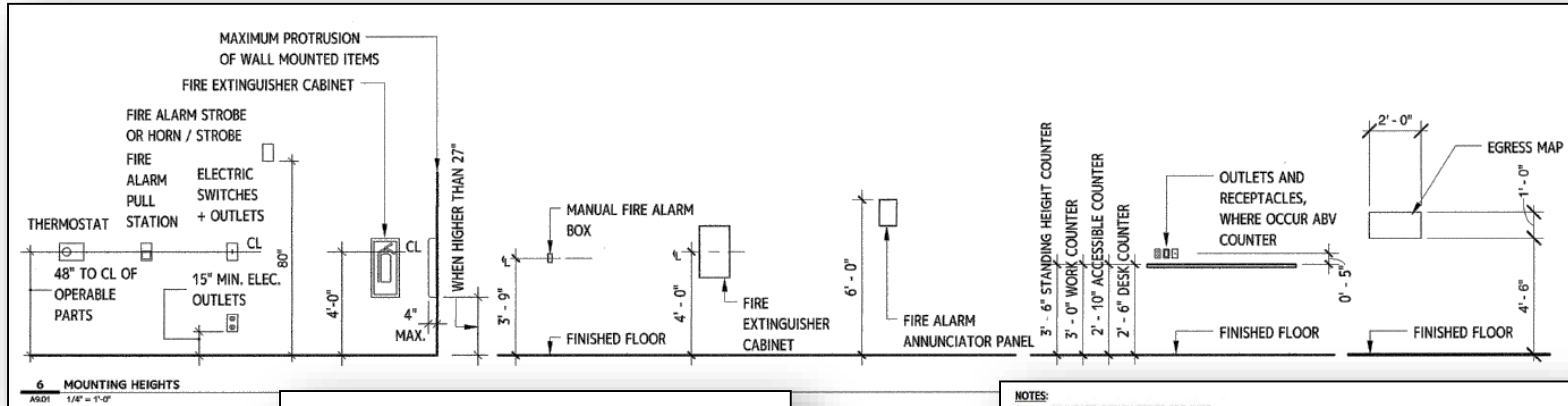


GENERAL SHEET NOTES
 A. SEE FRAMING DRAWINGS FOR ADDITIONAL FRAMING DETAILS.
 B. SEE FLOOR PLAN LEGEND FOR FRAMING SIZE.



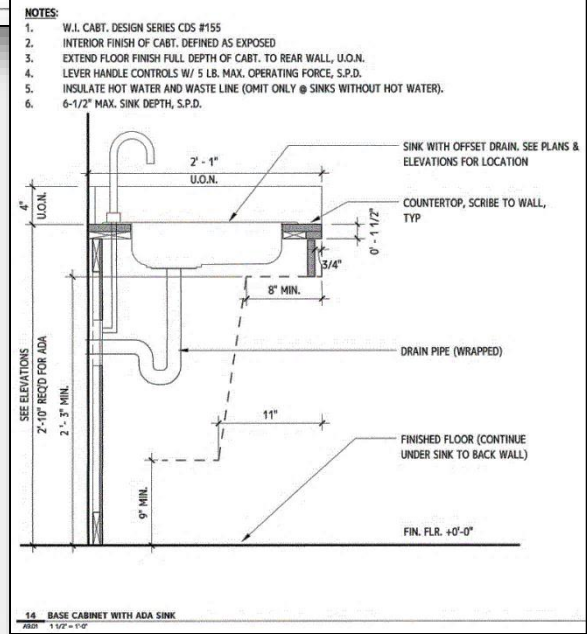
- NOTES**
- MIL CABT. BRONZ SERIES CDS #155
 - INTERIOR FINISH OF CAB. COVERED AS EXPOSED
 - EXTERIOR FLOOR FINISH FULL TOPFIN OF CAB. TO REAR WALL, S.O.D.
 - LEVEL INSHIELD CONTROLS W/ 1/2\"/>

Interior Details

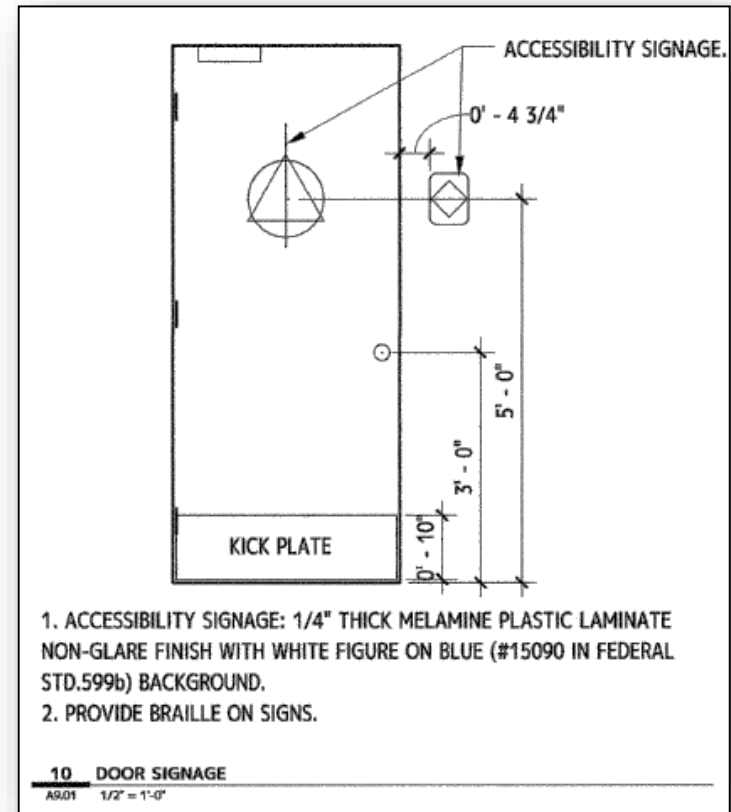
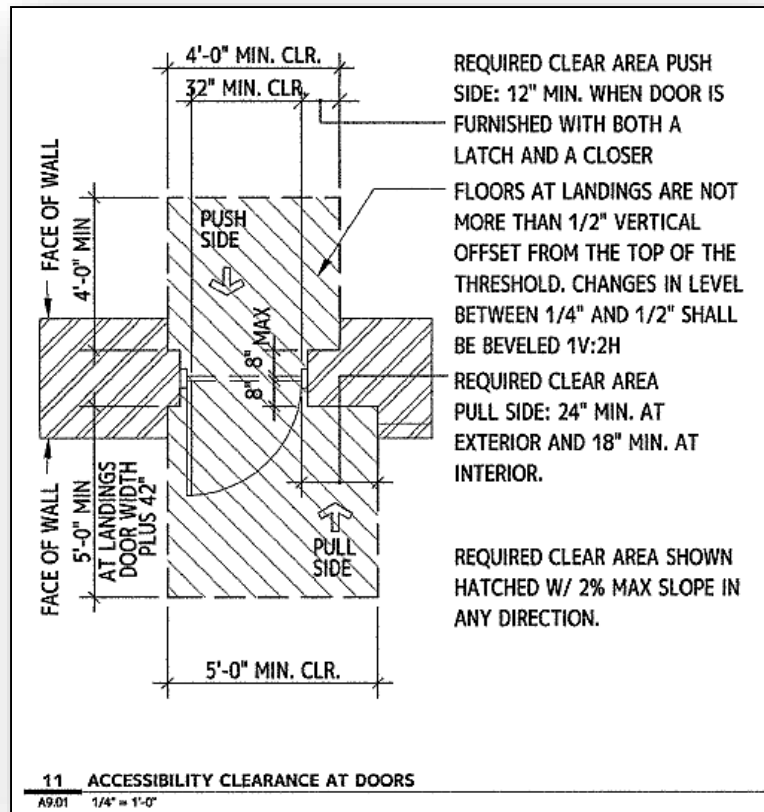


SIGNAGE TEXT LEGEND
(SEE PLANS FOR LOCATIONS)

- A: "EXIT"
- B: "EXIT RAMP DOWN"
- C: "EXIT RAMP UP"
- D: "EXIT ROUTE"
- E: "EXIT STAIR DOWN"
- F: "EXIT STAIR UP"
- G: "TO EXIT"
- H: "NOT AN EXIT"



Interior Details



Lunch Time!



Certified Access Specialist Program

Certified Access Specialist Services and Examination Process

Services of a CASp

Services of a CASp

Services rendered by a CASp, upon authorization by a facility owner and/or authorized requesting party, may include the following:

- (a) Review of facility plans and specifications for compliance with state and federal accessibility laws, standards, codes, and regulations.
- (b) Investigate a facility for compliance with state and federal accessibility laws, standards, codes, and regulations.
- (c) Conduct accessibility research, prepare accessibility reports, and/or conduct accessibility inspections, as authorized.
- (d) Issue inspection reports and disability access inspection certificates in accordance with the requirements of Civil Code section 55.53.

Construction-Related Accessibility Standards Compliance Act

“Qualified Defendant”

A defendant in an action that includes a construction-related accessibility claim that is asserted against a ***place of public accommodation*** that met the requirements of “meets applicable standards” or “inspected by a CASp” prior to the date the defendant was served with the summons and complaint in that action.

Owner is qualified defendant if he/she hired CASp, or if he/she authorizes an agent to hire the CASp

Must be construction-related accessibility claim

Legal benefits not recognized in federal court

Inspection Process

Establishes a grace period of liability for minimum statutory damages for businesses of less than 50 employees over past 3 years



Inspected by a “CASp”

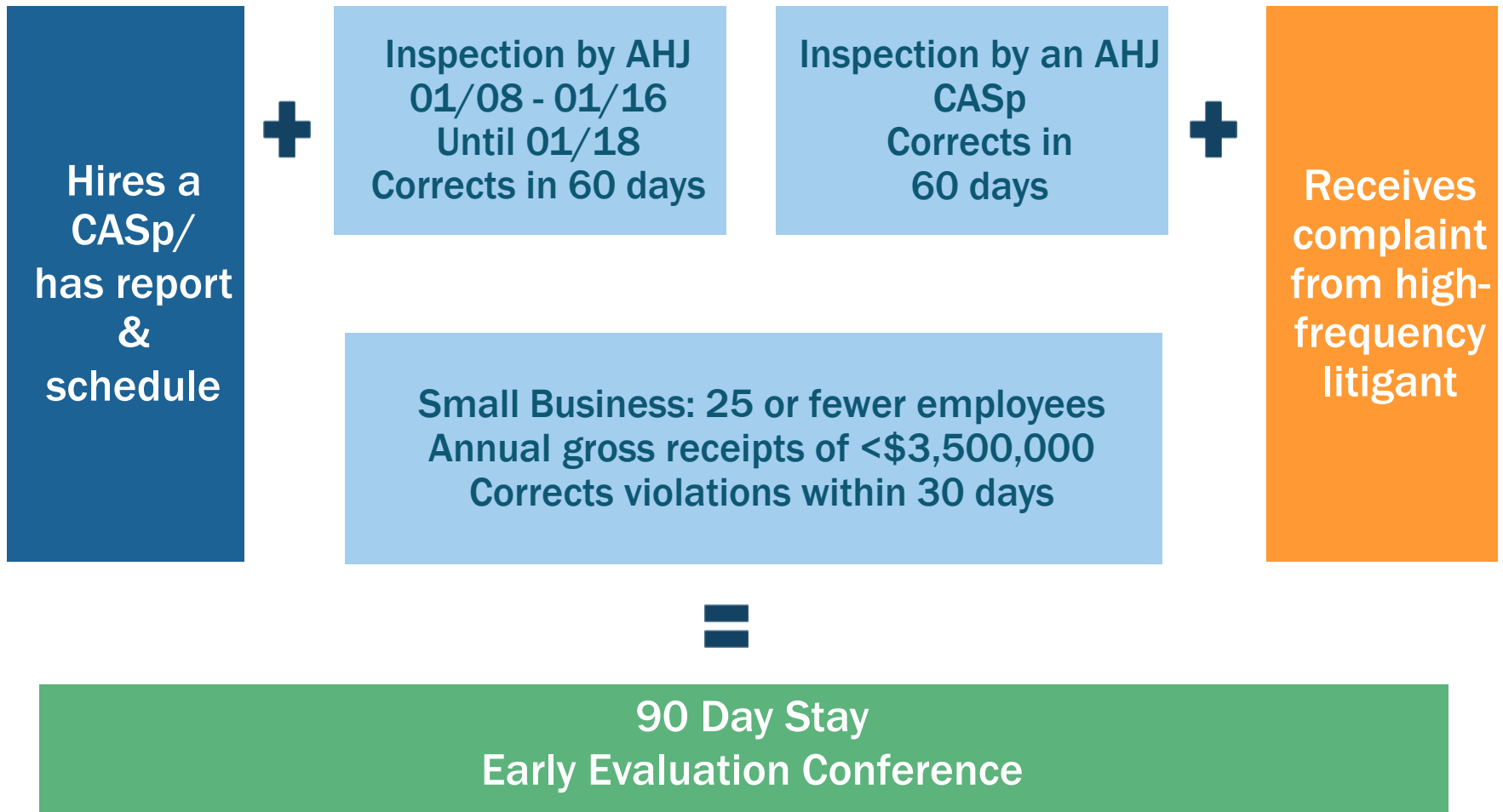
Compliance Path A:
Reasonable schedule

Statutory damages
reduced from \$4000 to \$1000
if corrected
within 60 days of claim

Compliance Path B:

120-day compliance schedule
Grace period from liability for
statutory damages for 120 days
from date of inspection

Inspection Process – High Frequency Litigant



“CASp Reports” under CRASCA

A legal document that requires a “determination” of either:



Meets Applicable Standards



Inspected by a CASp

Professional Standards

Written Agreements

Authorization to perform services shall be by written agreement bearing **signature of both contracting parties**. The agreement shall state the **scope of work**, the **certification number** of the CASp, the **expiration date of certification**, and shall indicate if the services provided include an inspection report and issuance of a Disability Access Inspection Certificate in accordance with the California Civil Code 55.53 (a)-(d).

Significance of CASp signature in inspection reports

The **signature of the CASp** on an inspection report or inspection record shall signify that the **CASp has been to the subject site** as part of the scope of services and can **confirm** the information stipulated in the inspection report or inspection record. Where a CASp signature is required, it shall be accompanied by the CASp certification number.

Professional Standards

The CASp as a Licensed Design Professional

- Consult with your registration board for the requirements of licensure that extend to services provided by a CASp
- Privileges of licensure may not extend to services provided by a CASp

CASp Services Guidance

Certification is based on knowledge. The extent of the services you provide depends on your expertise and qualifications:

- Understand the difference between a specialist and an expert.
- Certification establishes minimum requirements to be considered and specialist.
- Responsibility to decline services not within your area of expertise.
- Use continuing education as an opportunity to expand your technical expertise.
- Consider ethical practices and provide services within established legal procedures.

CASp Examination

Certified Access Specialist Open Book Exam

- 40 multiple-choice questions; only one answer is correct
- Project type released two months before the examination
- Tests the ability to read and review plans for access code compliance
- Tests to the access compliance provisions of the California Building Code
- Reference Manual provided that includes applicable portions of the California Building Code for access compliance

Open Book Test Categories

Application of California Building Standards Code in the following five categories:

- Scoping and technical accessibility requirements based on project type (May include CBC Chapter 11B and/or Chapter 11A and/or CHBC)
- CBC Chapter 11B Division 2 scoping and Division 3 and 4 technical requirements on building blocks and accessible routes

Open Book Test Categories

- CBC Chapter 11B Division 2 scoping and Division 5, 6, and 7 technical requirements on general site and building elements
- CBC Chapter 11B Division 2 scoping and Division 8, 9, and 10 technical requirements based on special project elements
- Accessibility provisions of CBC Chapter 10 Means of Egress

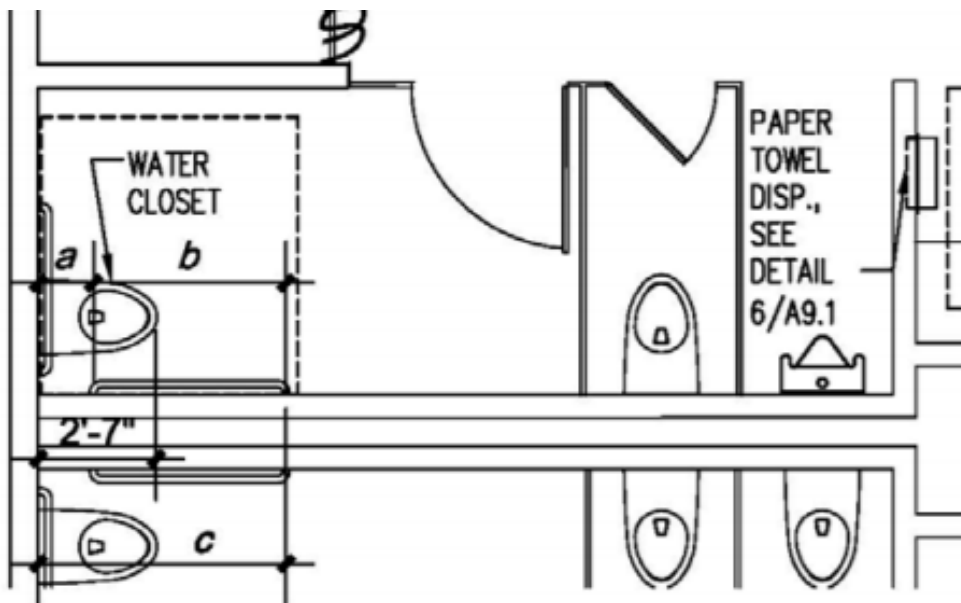
Open Book Examination Study Tips

- Learn how to read plans
- Review all information on the title sheet
- Do not expand interpretations beyond the requirements
- Take your study beyond the code
 - Learning about systems gives depth of understanding (assistive listening, destination elevators, etc.)
 - Learning how accessible elements are used gives depth of understanding (Access Board videos, archived webinars)
- Refer to the KSA's of a CASp in the CASp Examination, Certification, and Practice Standards Handbook

Sample Open Book Question

In the illustration, what is the prescribed dimension of “a”, prescribed minimum dimension of “b”, and actual required minimum dimension of “c”, respectively, with regard to the side wall grab bar?

- a. 12” minimum, 42”, 54”
- b. 12” maximum, 42”, 55”
- c. 12” maximum, 42”, 54”
- d. 12” maximum, 42”, 60”



11B-604.5.1 Side wall. The side wall grab bar shall be 42 inches (1067 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1372 mm) minimum from the rear wall with the front end positioned 24 inches (610 mm) minimum in front of the water closet.

Certified Access Specialist Closed Book Exam

- 60 multiple-choice questions; only one answer is correct
- Tests scoping, understanding, and applicability of federal and state codes, standards, laws, guidelines, and regulations
- No references provided
- Refer to the KSA's of a CASp that are provided in the CASp Examination, Certification, and Practice Standards Handbook

Closed Book Test Areas Feedback

- Knowledge of CBC and ADA Accessibility Guidelines: Scoping and General Technical: *24 questions*
- Knowledge of State and Federal Regulations and Guidelines for Housing: *12 questions*
- Knowledge of Federal Regulations for Accessibility: *8 questions*
- CASp Responsibility and California Statutory Requirements for Disability Access: *8 questions*
- Identifying Applicable Standards: *8 questions*

Closed Book Examination Study Tips

- Understand:
 - scoping and applicability of state and federal regulations
 - how regulations are enforced and authority for enforcement
 - acronyms used for the regulation
 - effective dates for the regulation
- Identify if one or more regulations apply to a question
- Understand how a regulation relates to construction-related accessibility, and CASp services

Sample Closed Book Question

A qualified historical building undergoing barrier removal cannot accommodate a ramp with a 1:12 slope to access the main entry. The California Historical Building Code permits a ramp with a slope of 1:10 for a maximum horizontal distance of 5 feet, provided that:

- a. an international symbol of accessibility is posted at the ramp.
- b. signs are posted at the upper and lower levels indicating the steepness of the slope.
- c. directional signs indicating the location of an alternate accessible entrance is provided.
- d. a call button is installed at the bottom of the ramp for individuals requiring assistance.

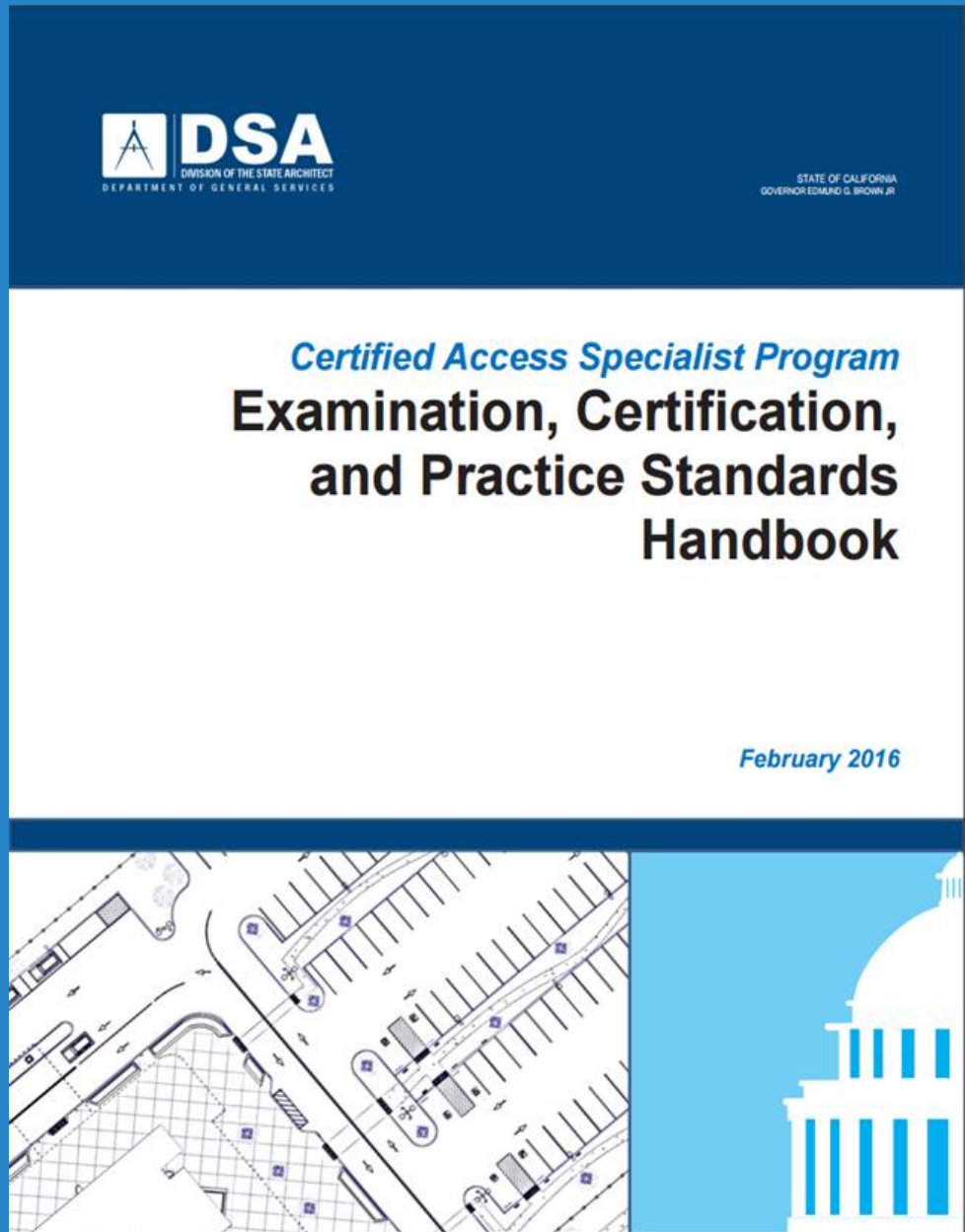
Sample Closed Book Question

Which federal law prohibits an employer with sixteen employees from discriminating on the basis of disability in regard to job application procedures, hiring, or advancement?

- a. Title I of the ADA
- b. Title II of the ADA
- c. Title III of the ADA.
- d. Title IV of the ADA.

CASp Resources

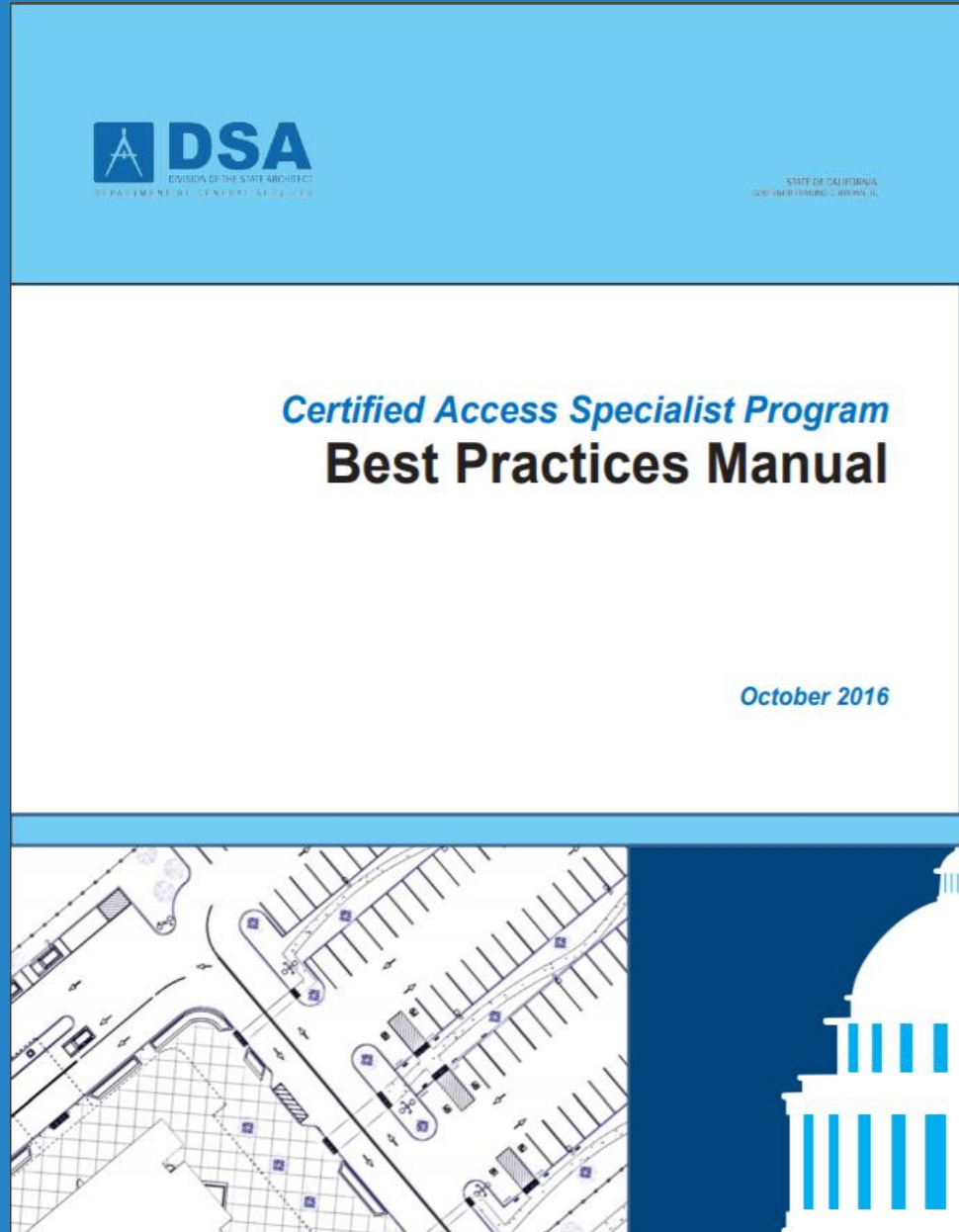
Available
on the
DSA
website



CASp Resources

Available
on the
DSA
website

University of California –
Access Compliance Training



Technical Guidance

CASp Technical Guidance

debbie.wong@dgs.ca.gov

916-327-5410

CBC Technical Guidance

DSA Technical Assistance Helpline – 916-445-5827

Examination, Certification, and Certification Renewal Questions

CASprogram@dgs.ca.gov

916-323-2737

Time to
take a
break!



www.ucop.edu/construction-services/programs-and-processes/cpi/index.html

▼ Upcoming events

2017 Accessibility Training [↗](#)

SEPTEMBER 25, 2017 - UC IRVINE |

SEPTEMBER 28, 2017 - OAKLAND

Training will be provided by the California Division of State Architect on access regulations in the California Building Code. The course will satisfy California State licensure requirements and provide 5.0 hours of HSW continuing education units for your AIA membership.

Schedule of Values: More Valuable Than You Think! [↗](#)

OCTOBER 13, 2017 - WEBINAR

In this webinar, the Gordian Group will share the best tips and tricks in reviewing the Schedule of Values, one of the most important document in the Job Order Contracting process.

Contract Administrators' Leadership Conference [↗](#)

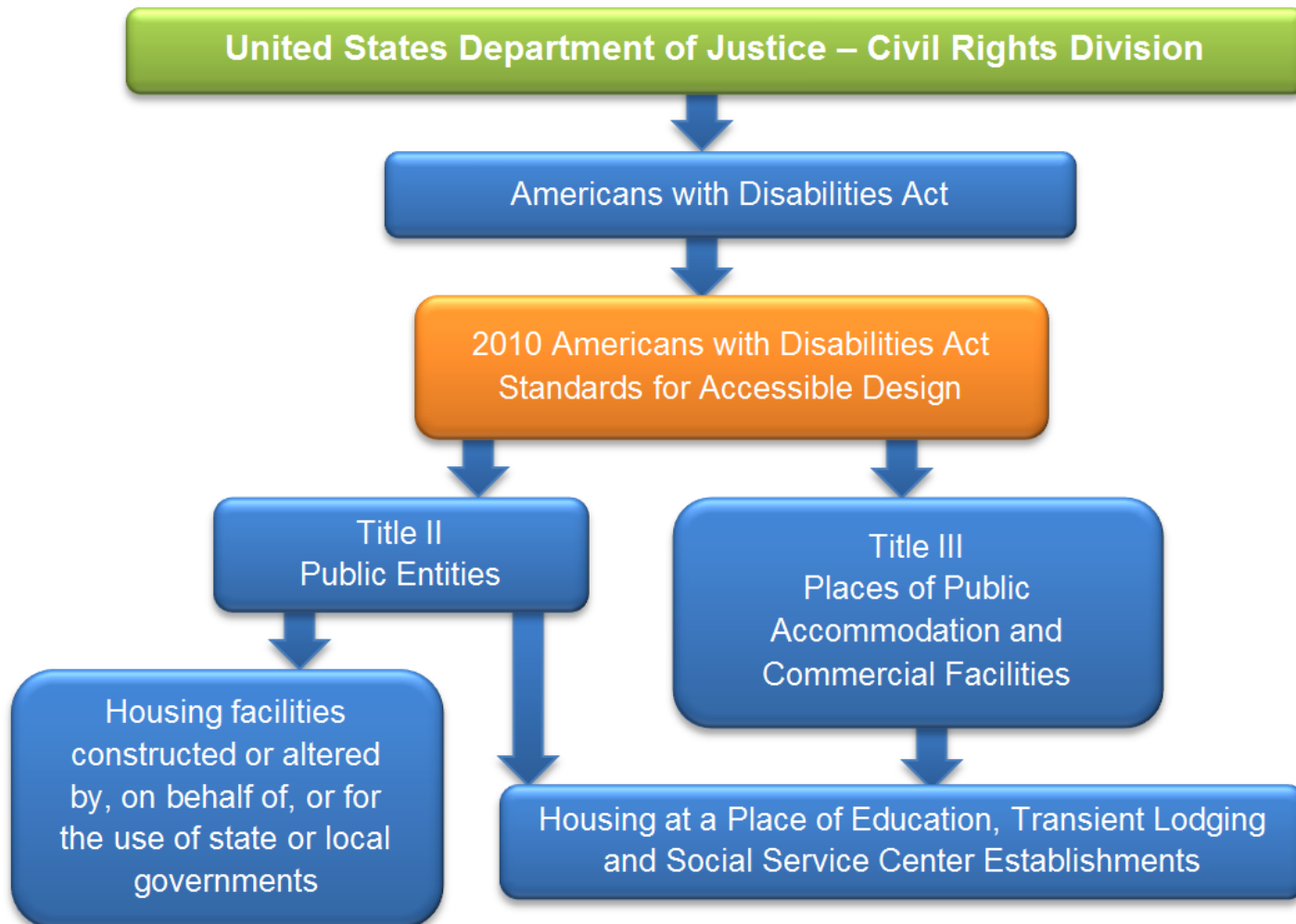
OCTOBER 23-24, 2017 - UC BERKELEY

The goal of this two-day event is to provide contract administration professionals an opportunity to discuss topics of their interests and share best practices.

Housing at a Place of Education

**Under Graduate Students,
Graduate Students and
Faculty**

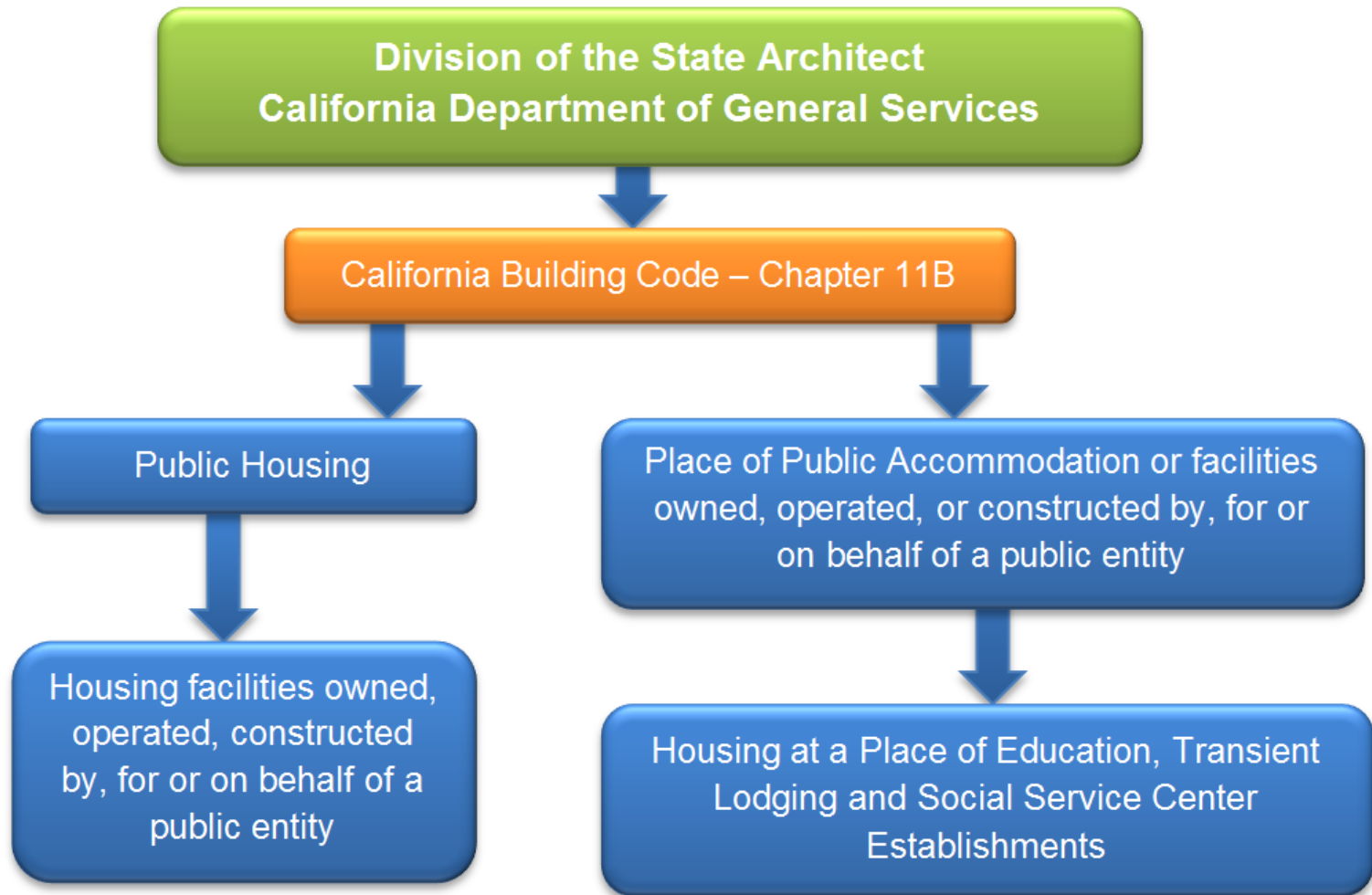
Federal Regulations for Housing at a Place of Education



Federal Regulations for Housing at a Place of Education



State Regulations for Housing at a Place of Education



State Regulations for Housing at a Place of Education



Code Analysis for Housing at a Place of Education in Chapter 11B



Code Analysis Process

- Which codes and regulations apply to the project?
- Which definitions and scoping sections are applicable?
- Is the housing for undergraduate students?
- Is the housing for graduate students and faculty?
- Are dormitory rooms or multi-bedroom housing units provided?
- What number are required to be accessible?
- Which technical sections are applicable ?

Definitions in Chapter 2

Place of Public Accommodation – Private Schools, Community Colleges and Universities

A facility operated by a private entity whose operations affect commerce and fall within at least one of the following categories:

- **A nursery, elementary, secondary, undergraduate, or postgraduate private school, or other place of education.....**

Definitions in Chapter 2

Public Housing– Public Schools, Community Colleges and Universities

Housing facilities owned, operated, or constructed by, for or on behalf of a public entity.....

- **Housing at a place of education owned or operated by a public entity, such as housing on or serving a public school, public college or public university campus.....**

Definitions in Chapter 2

Housing at a Place of Education

Housing operated by or on behalf of an elementary, secondary, undergraduate, or postgraduate school, or other place of education, including dormitories, suites, apartments, or other places of residence.

Definitions in Chapter 2

Multi-Bedroom Housing Unit

A housing unit, intended for use by students at a place of education, with a kitchen and/or toilet and bathing rooms within the unit, such as an apartment, or dormitory. Multi-bedroom housing units are separate from one another and from common use spaces within a building.

Follow the Code Path

Start with Scoping Sections

11B-224.7 Housing at a Place of Education

- Undergraduate Student Housing – comply with Sections 11B-224.1 through 11B-224.6
- Graduate Students and Faculty Housing leased on year round basis – comply with Section 11B-233



Follow the Code Path

Start with Scoping Sections – Undergraduate Student Housing

11B-224.7.1 Multi-bedroom housing units with mobility features.

- Comply with technical Sections 11B-809.2 and 11B-804.

11B-224.7.1 Multi-bedroom housing units with adaptable features.

- Comply with Section 11B-233.3.1.2.

For technical provisions comply with Chapter 11A, Division IV – Dwelling unit features.



Follow the Code Path

Start with Scoping Sections – Graduate Student and Faculty Housing

11B-233.3.1.1 Residential dwelling units with mobility features.

11B-233.3.1.2 Residential dwelling units with adaptable features.

- For technical provisions comply with Chapter 11A, Division IV – Dwelling unit features.



Follow the Code Path

Then continue to **Technical Sections - Undergraduate Student Housing**

Mobility Features

11B-806.2 Guest Rooms with Mobility Features.

11B-603 Toilet and Bathing Rooms.

11B-804 Kitchens, Kitchenettes and Wet Bars.

Adaptable Features - Chapter 11A, Division IV – Dwelling unit features.



Follow the Code Path

Then continue to Technical Sections – Graduate Student and Faculty Housing

Mobility Features

11B-809.2 Kitchens.

11B-809.4 Toilet Facilities and Bathing Facilities.

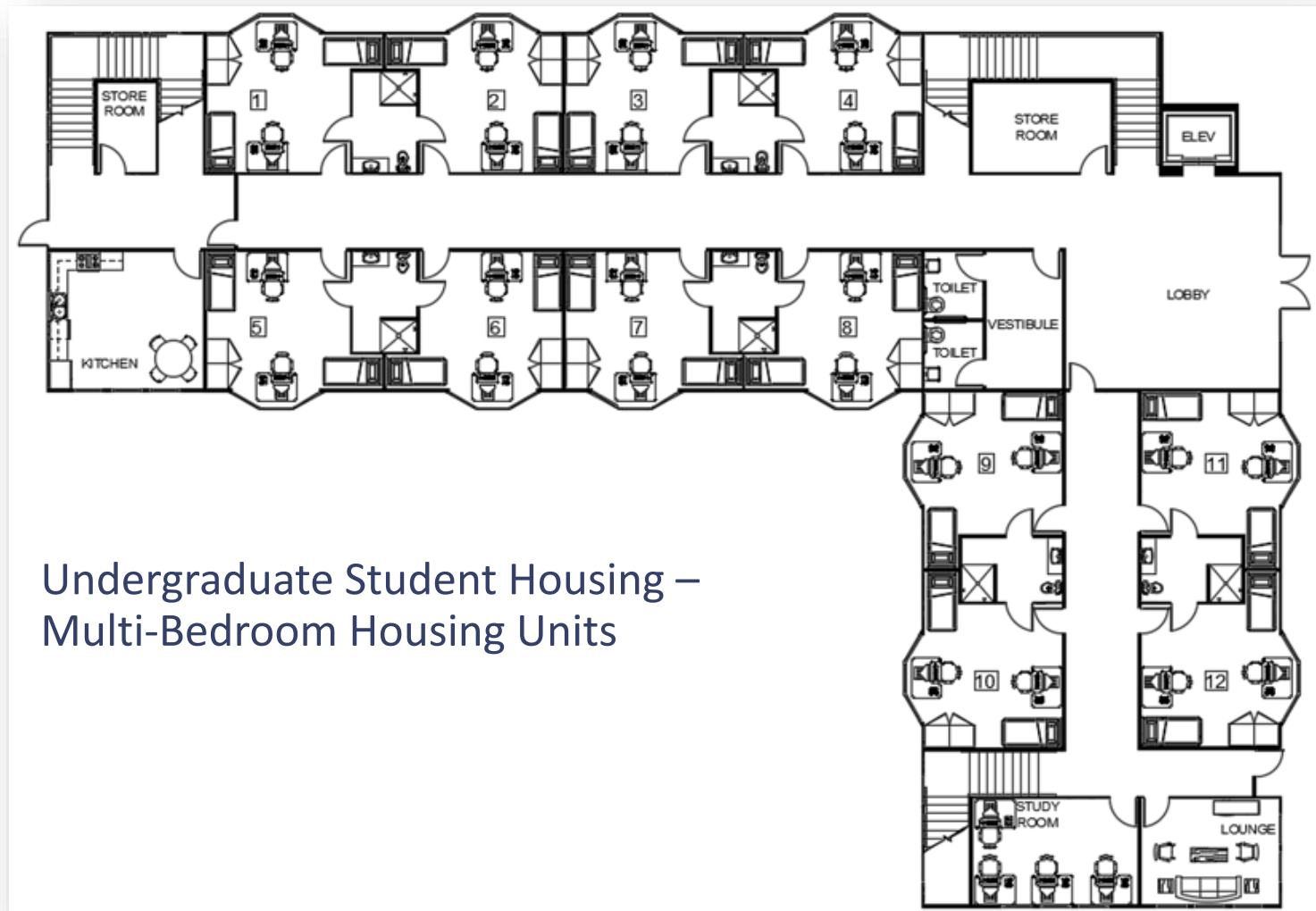
11B-603 Toilet and Bathing Rooms.

Adaptable Features Chapter 11A, Division IV – Dwelling unit features.



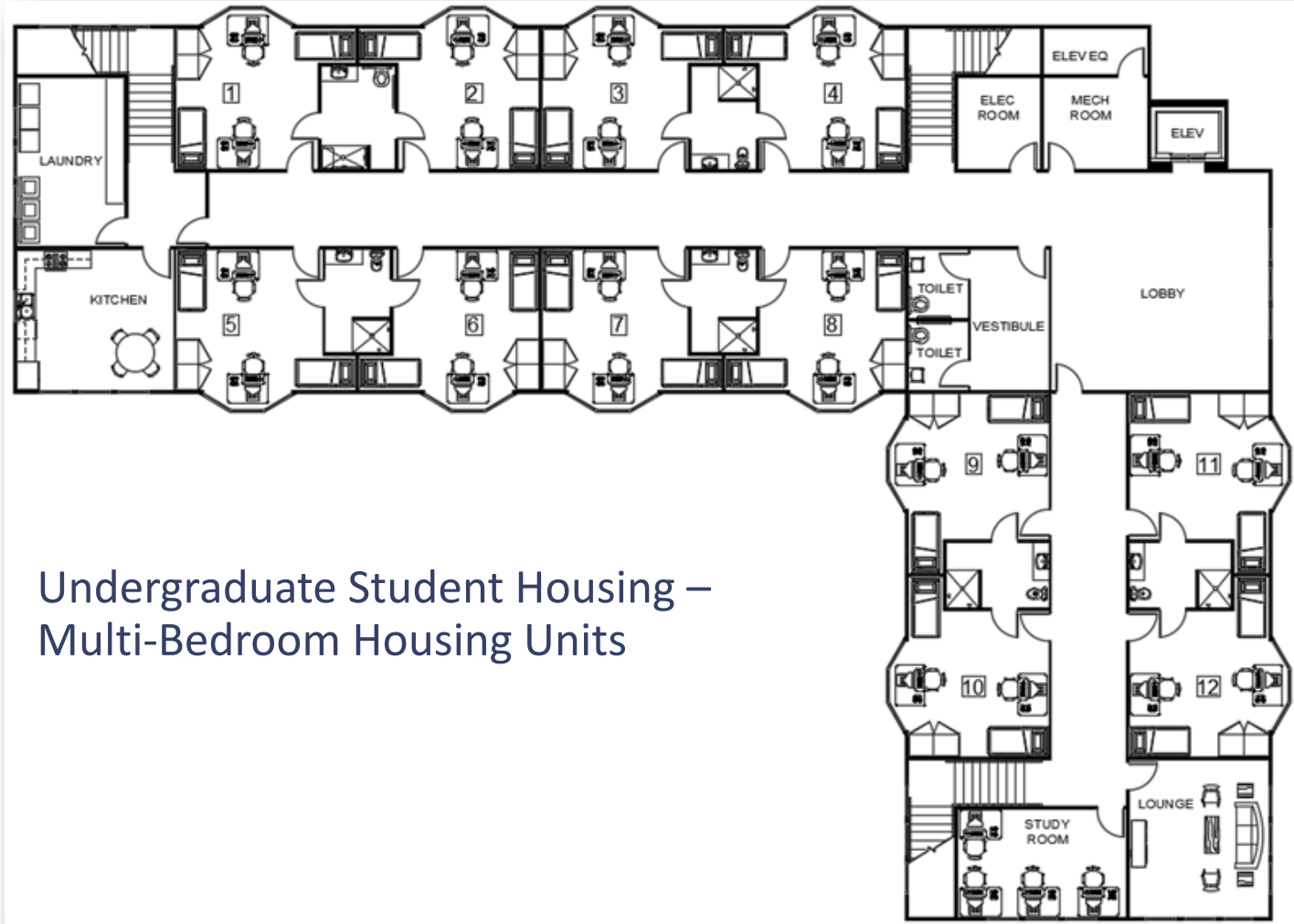
Undergraduate Student Housing

First Floor Plan



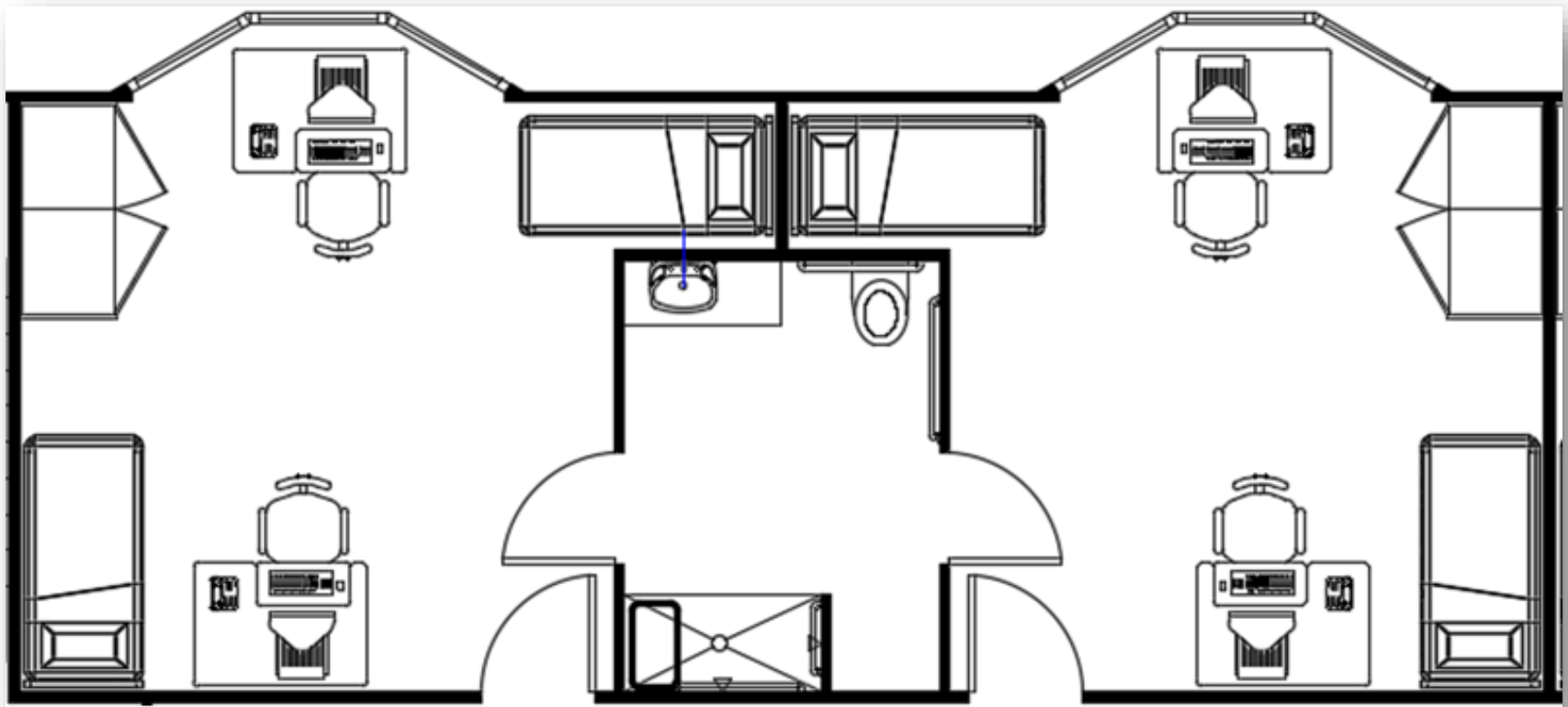
Undergraduate Student Housing –
Multi-Bedroom Housing Units

Second Floor Plan

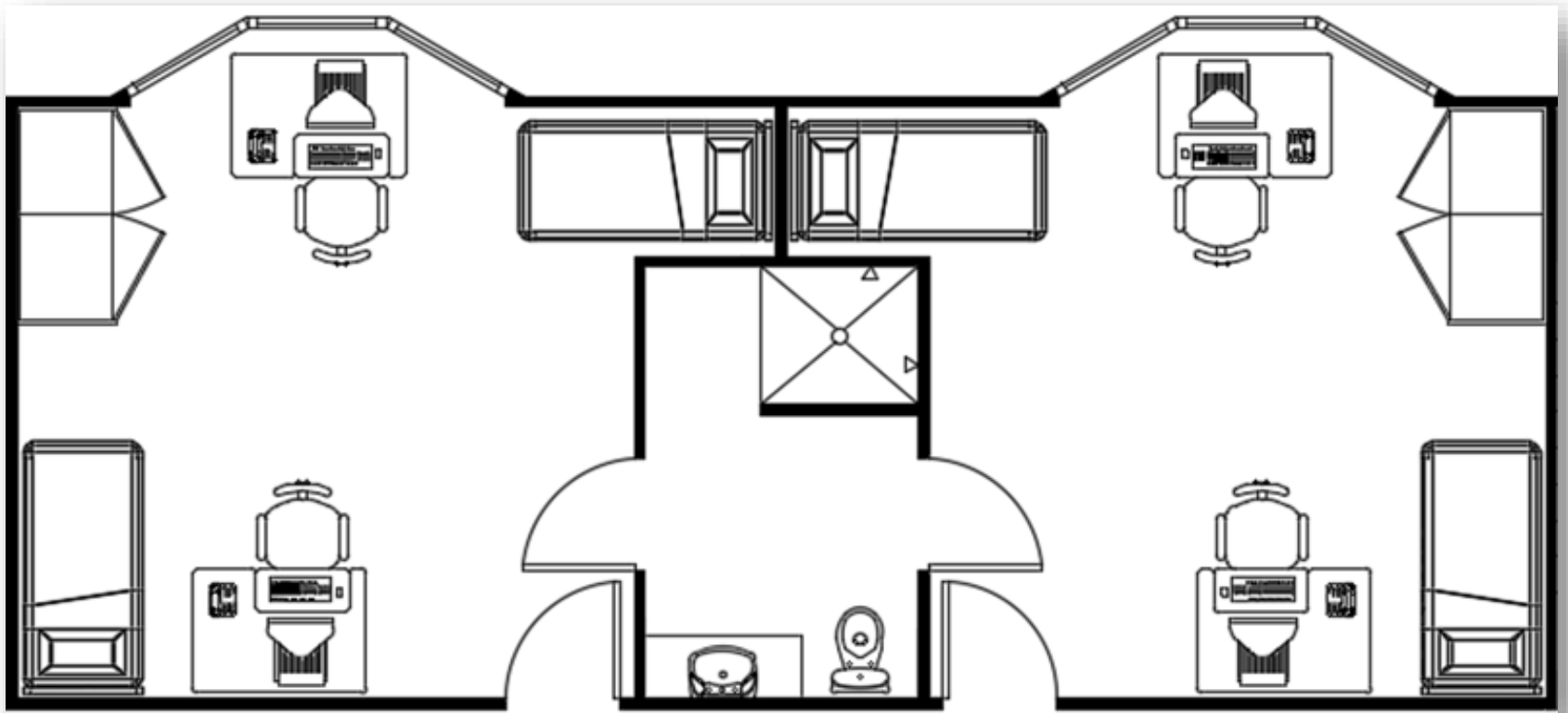


Undergraduate Student Housing –
Multi-Bedroom Housing Units

Unit with Mobility Features

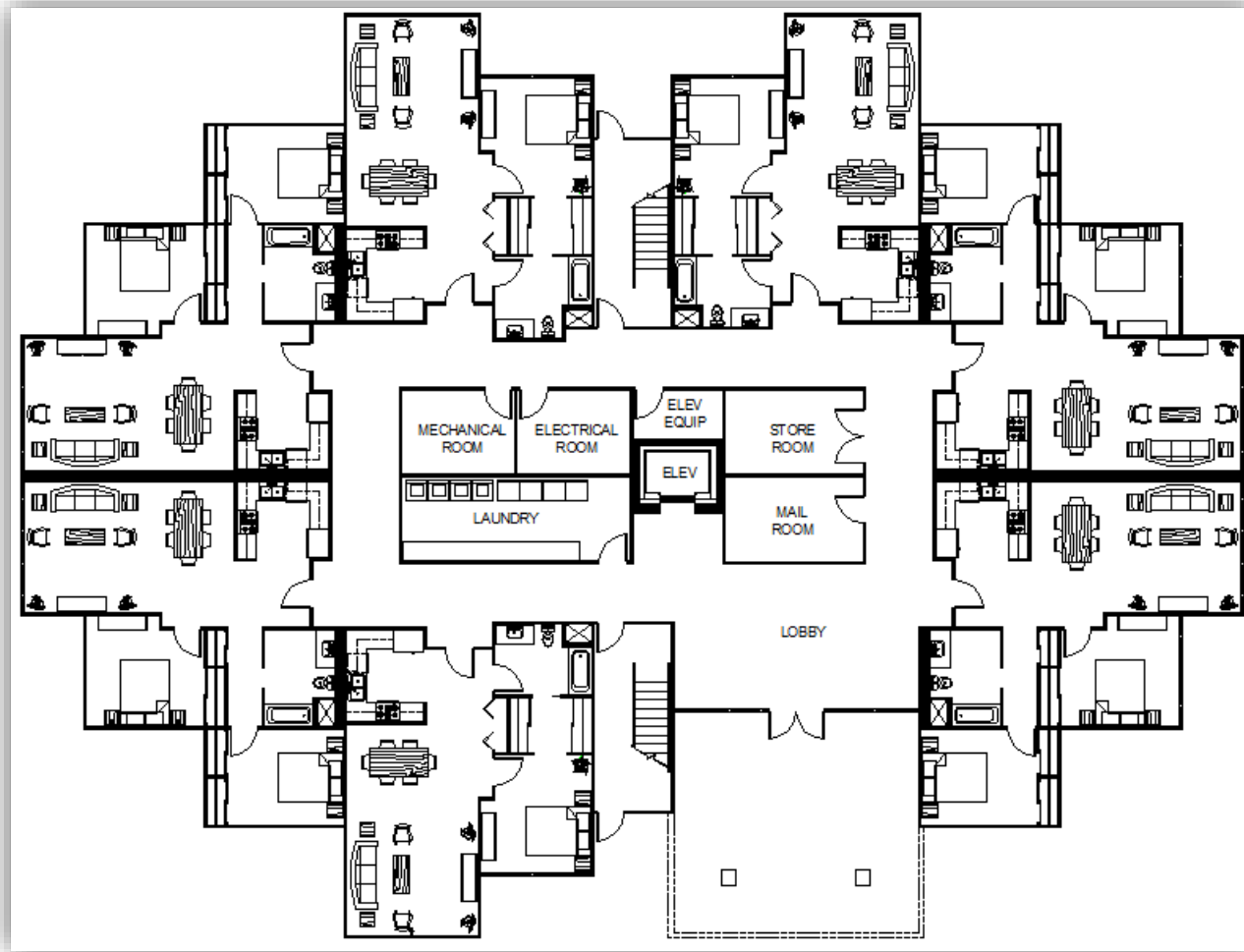


Unit with Adaptable Features

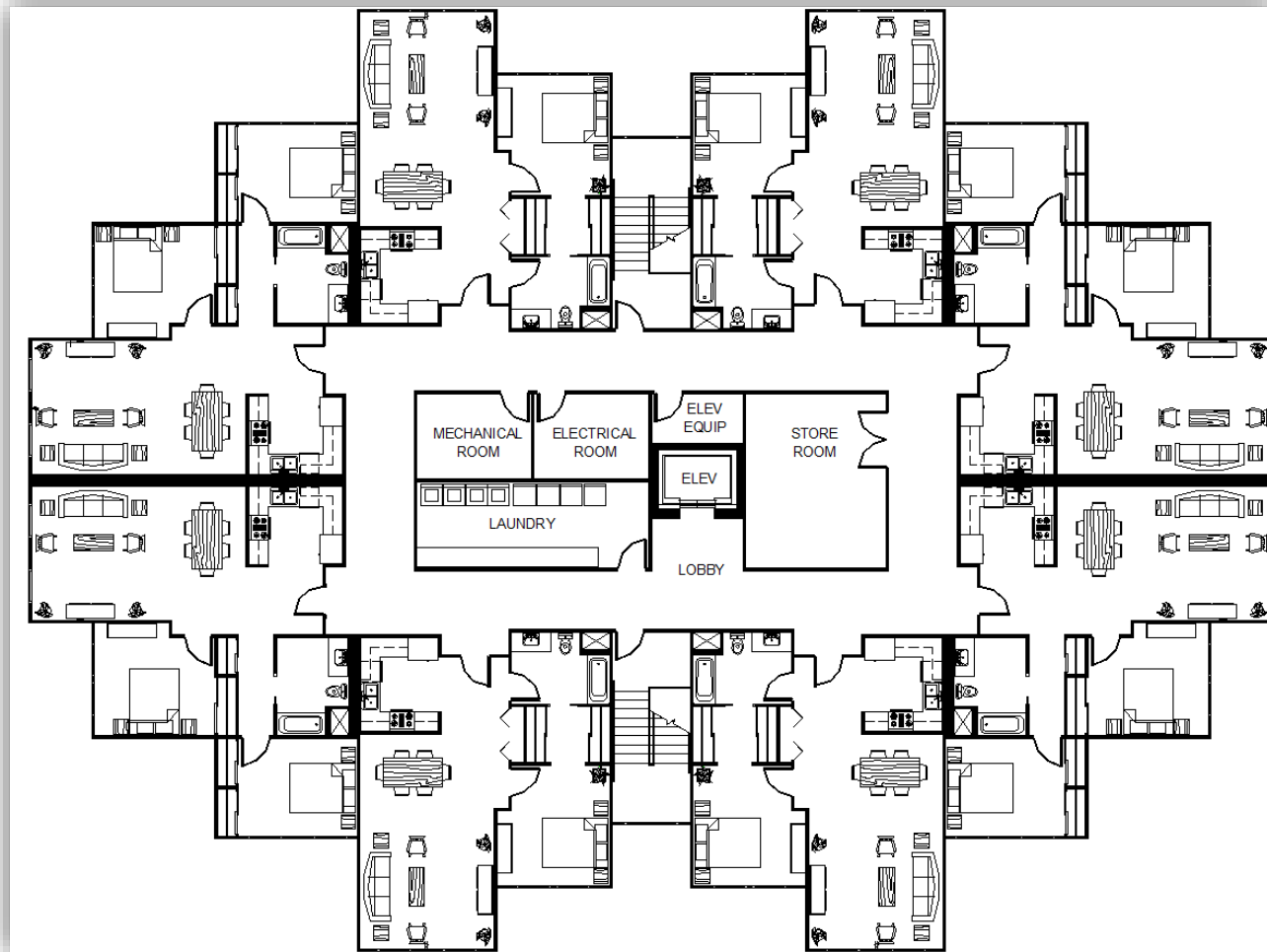


Graduate Student & Faculty Housing

First Floor Plan

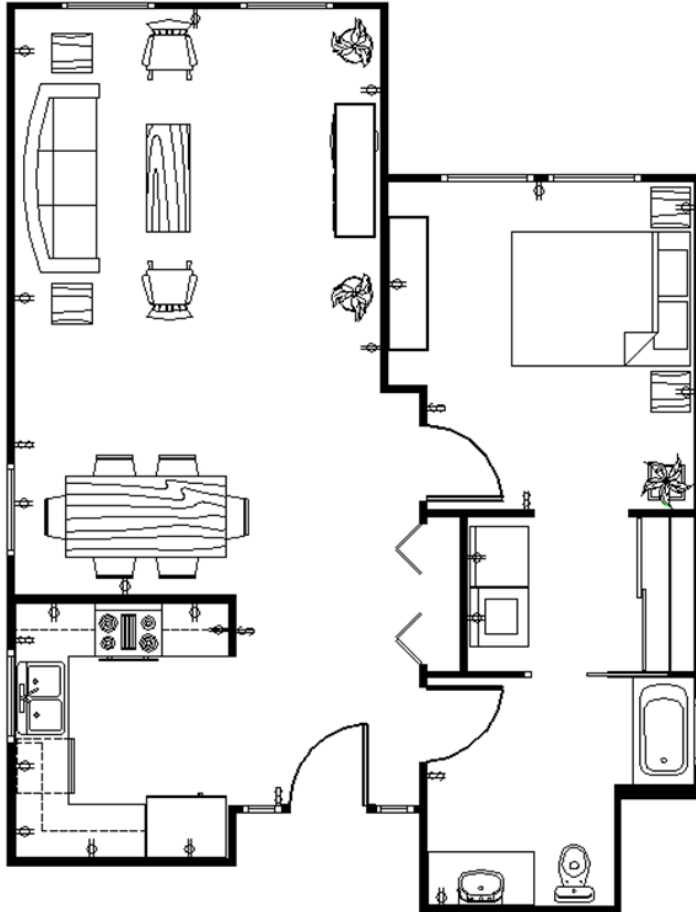


Second Floor Plan

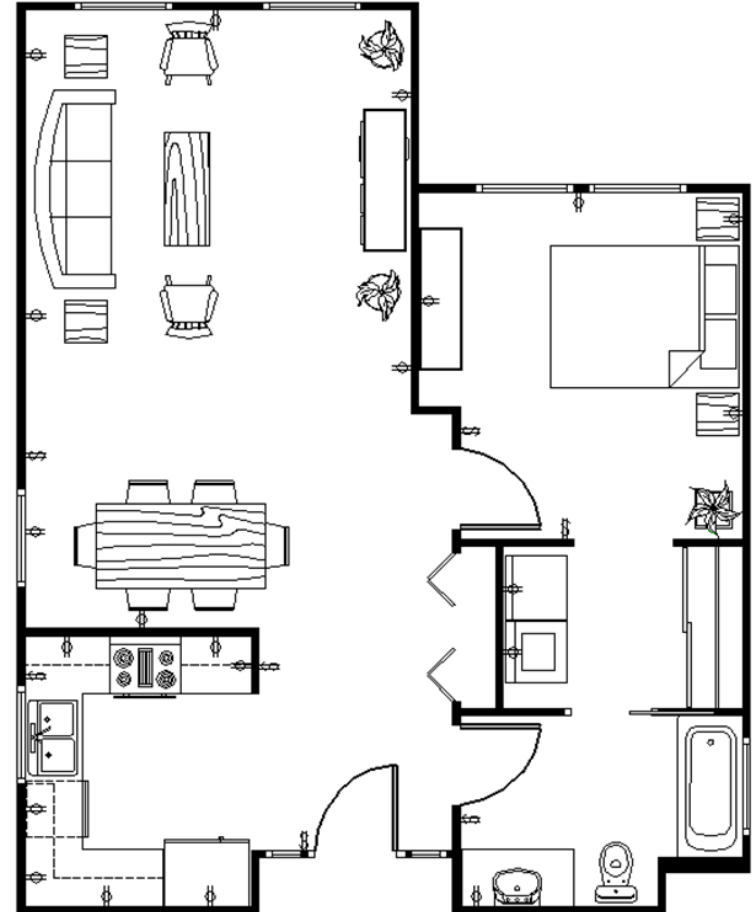


Comparison of Dwelling Units

Unit with Mobility Features -750 SF



Unit with Adaptable Features-740 SF





Questions

Thank You!

Visit DSA's Web page at
www.dgs.ca.gov/dsa

Get social with DSA at:

www.Facebook.com/CalifDSA

www.Twitter.com/CalifDSA